

ARMY
NAVY
AIR FORCE

TM 11-7010-201-40-4
ET821-AA-MMI-040/E154 MTS
T.O. 31S5-2TS073-2-4

TECHNICAL MANUAL

**GENERAL SUPPORT
MAINTENANCE MANUAL
FOR
TEST SET, ELECTRONIC CIRCUIT PLUG-IN UNIT
TS-3317()/TSQ-73
(NSN 1430-01-033-1078**

**INCLUDING
OPERATION AND MAINTENANCE
MTS TEST AID ASSEMBLY
PART NUMBER TE113980**

DEPARTMENTS OF THE ARMY, NAVY, AND AIR FORCE

22 SEPTEMBER 1983



5

SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK

1

DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL

2

IF POSSIBLE, TURN OFF THE ELECTRICAL POWER

3

IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH, OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL

4

SEND FOR HELP AS SOON AS POSSIBLE

5

AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

WARNING

DANGEROUS VOLTAGE
is used in the operation of this equipment

DEATH ON CONTACT
may result if personnel fail to observe safety precautions.

Never work on electronic equipment unless there is another person nearby who is familiar with the operation and hazards of the equipment and who is competent in administering first aid. When the technician is aided by operators, he must warn them about dangerous areas. Whenever possible, the power supply to the equipment must be shut off before beginning work on the equipment. Take particular care to ground every capacitor likely to hold a dangerous potential. When working inside the equipment, after the power has been turned off, always ground every part before touching it.

Be careful not to contact high-voltage connections when installing or operating this equipment.

Whenever the nature of the operation permits, keep one hand away from the equipment to reduce the hazard of current flowing through vital organs of the body.

Do not be misled by the term "low voltage." Potentials as low as 50 volts may cause death under adverse conditions.

WARNING

Ensure prime power is off to prevent shock hazard to personnel.

WARNING

USE OF CLEANING SOLVENT

Fumes of TRICHLOROTRIFLUOROETHANE are poisonous. Provide adequate ventilation whenever you use TRICHLOROTRIFLUOROETHANE. Do not use solvent near heat or open flame. TRICHLOROTRIFLUOROETHANE will not burn, but heat changes the gas into poisonous, irritating fumes. DO NOT breathe the fumes or vapors. TRICHLOROTRIFLUOROETHANE dissolves natural skin oils. DO NOT get the solvent on your skin. Use gloves, sleeves and an apron which the solvent cannot penetrate. If the solvent is taken internally, see a doctor immediately.

WARNING

When extending the MTS, always provide support for both the MTS and the case. Extension of the MTS causes an unbalanced condition and the assembly may tip forward causing personnel injury and equipment damage.

WARNING

Two men are required to remove the wired plug-in unit test assembly from the case to prevent injury to personnel or damage to the equipment.

LIST OF EFFECTIVE PAGES

INSERT LATEST CHANGED PAGES. DESTROY SUPERSEDED PAGES.

Dates of issue for original and changed pages are:

Original...0..

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 291 CONSISTING OF THE FOLLOWING:

Page No.	# Change No.	Page No.	# Change No.	Page No.	# Change No.
Cover	0				
Safety Steps	0				
a - c.....	0				
d blank.....	0				
(WL10281452) String List					
1 - 82.....	0				
(WL10281452) Connector List					
1 - 104.....	0				
(WL10281451) Logic List					
1 - 88	0				
Report of Error.....	0				

Zero in this column indicates an original page.

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TECHNICAL MANUAL
NO. 11-7010-201-40-4
TECHNICAL MANUAL
ET821-AA-MMI-040/E154 MTS
TECHNICAL ORDER O. 3152TS73-2-4
T.O. 31S5-2TSQ73-2-4

DEPARTMENTS OF THE ARMY
THE NAVY, AND
THE AIR FORCE

Washington, DC, 22 September 1983

**GENERAL SUPPORT
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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Com-munications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, T.O. 00-5-1. Forward direct to prime ALC/MST.

For Navy, mail comments to the Commander, Naval Electronics Systems Command, ATTN: ELEX 8122, Washington, DC 20360. In either case, a reply will be furnished direct to you.

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WL10281452	Card Rack Assembly - Test Set, Digital, LH, Wire List, String	1 through 82
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WL10281452	Card Rack Assembly - Test Set, Digital, LH, Wire List, Logic	1 through 88

Scope. This volume contains wire lists for the left-hand digital card rack assembly (bay 1) (drawing number WL10281452). Refer to chapter 3 of TM 11-7010-201-34-1 for a basic explanation of wiring information and how to use the wire lists. Also refer to sheet 2 of each wire list for notes on fabrication techniques and parts information.

NOTE

The pages in volumes 2-4 of TM 11-7010-201-40 have been numbered in a special manner. Pages within these volumes are found by keying to two page identifiers: the drawing number and the page number. To find the page that you desire within the volume, follow the steps listed below:

1. Find the applicable wire run list in the table of contents and note the applicable drawing number.
2. Look through the pages of the volume until you find the particular drawing number of the wire run list that you seek. This will insure that you are in the correct wire run section.
3. Go through these pages until you find the page number you are looking for within this particular wire run list.

Remember, pages in the volumes cited above are found by keying to the drawing number applicable to a particular wire run list, as well as, a page number. Make sure you are on the correct page by checking both page identifiers.

**CARD RACK ASSEMBLY - TEST SET, DIGITAL, LH
STRING WIRE LIST
WL1 0281452**

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
3. REFERENCE TO SHEET 5 FOR WIRE CODE DEFINITIONS.
4. REFERENCE TO SHEET 6 FOR WIRE PARTS LIST.
5. ALL ABBREVIATIONS PER MIL-STD-12.
6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: CARD CAGE WIRED LH MTS.
7. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".
8. ECOs WILL BE WRITTEN SHOWING YELLOW HAND WIRE BEING USED FOR CHANGES TO AUTOMATIC WIRING. THESE SAME YELLOW WIRES WILL BE INCORPORATED AS WHITE AUTOMATIC WIRES AT THE NEXT DRAWING UPDATE.
9. PARTS LIST FOR REFERENCE ONLY.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

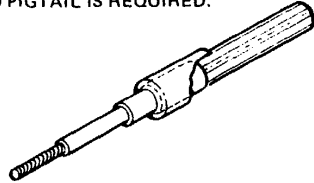
1. **Record Number** - A unique Data Processing number which associates all information pertaining to a *wire* "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.
2. **Prefix** - An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector** - Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.
4. **Pin** - Exact terminating point of the respective connector. Designations are unique:
 - A. SHXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
 - B. JCT indicates a common point of two or more shield pigtails.
 - C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.
5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.
6. **Multi Group** - Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.
7. **Wire Code** - A three-digit code for wire type and gage or bus bar.
8. **Wire Color** - Standard RETMA color code.
 - A. Base Stripe Tracer.
 - B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.
9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.
10. **Spc Inst** - A code which indicates that a wire must be given special attention as follows:
 - A. Direct routing, no service loops, no harnessing.
 - B. See general notes or instruction pages.
 - C. See general notes or instruction pages.
 - D. See general notes or instruction pages.
 - E. See general notes or instruction pages.
 - F. See signal description.
 - G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
 - H. See special routing page.
 - I. Junction point for multilayer laminated board (MLB) connection.
 - J. Denotes a bus reference point.'
 - K. Blank out "TO" connector and pin.
 - L. Will cause a signal name of three characters or less to be entered in the string list.
 - M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
 - N. Will suppress printing the wire identity in the harness string and double entry list.
 - P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS - Continued

- Q. Will cause an equation record to be omitted from logic listing.
 - R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.
 - S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)
 - T. Twist wire code.
 - U. Not available.
 - V. See general notes or instruction pages.
 - W. Fixed wire length submitted.
 - X. Sequence of string is to be left as is.
 - Y. See general notes or instruction pages.
 - Z. Will suppress printing of the "FROM" pin.
10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.
 11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.
 - SPP - Denotes an available termination.
 - SPF - Denotes an unwired termination which has an assigned function.
 - SPW - Denotes a non-functional wire which is terminated at one or both ends.
 - SPO - Denotes a spare output of a circuit.
 - DNW - Indicates that a termination may not be wired.
 - SPA - Denotes an unassigned circuit, as one of a group on a printed circuit board.
 - SPI - Denotes a spare input of a circuit.
 - SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.
 - SPR - Denotes a spare resistor.
 - SPD - Denotes an unassigned input diode of an assigned logic gate.
 12. **Seq No.** - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.
 13. **Equation** - A mnemonic name assigned to each gate of an element.
 14. **Term** - An "OR" function composed of one or more factors.
 15. **Factor** - A specific input to a logical gate or active element.
 16. **Ckt or Chip Type** -- Denotes a specific circuit board type.
 17. **Group** - Denotes a specific circuit on a printed circuit board.
 18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.
 19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.
 20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.
 21. **Signal Description** - A written description or name of a signal or voltage.
 22. **ECO No.** - A letter number combination to show the Engineering Change Order level of that particular wire list record.

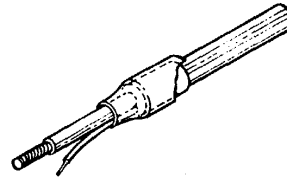
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

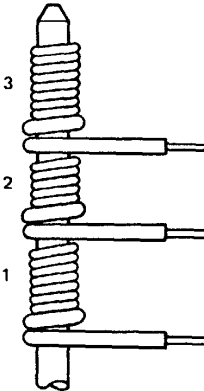
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

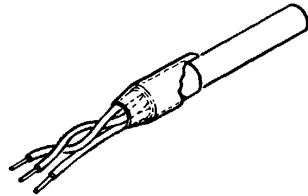
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

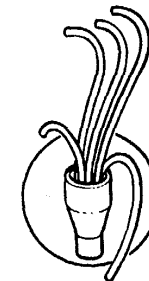
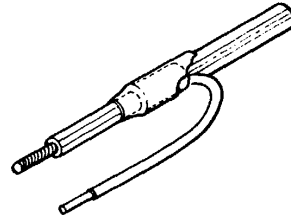
SHIELD FIGURE G

SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

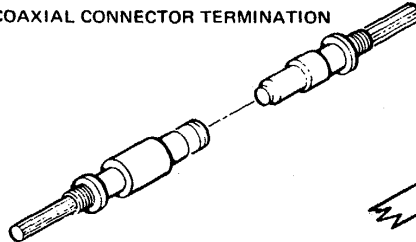
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



SHIELD FIGURE X
SHIELDED WIRE PIGTAILS-HYBRID

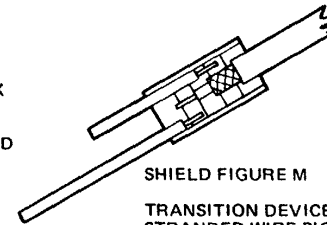
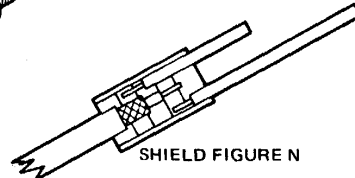
SHIELD FIGURE Z

COAXIAL CONNECTOR TERMINATION



SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS

WIRE CODE DEFINITION			WIRE CODE DEFINITION		
Type	Description	AWG	Type	Description	AWG
1 = Polyvinylidene Fluoride (PVF) (Kynar)	1 = Buss Wire	A = 32	*F = MIL-C-17/94 (formerly MIL-C-17/68)	F = Tw Pr, Shielded	R = 2
2 = Teflon ET	2 = High Voltage	B = 30	*G = 898008-2	G = Tw Tpl, Stranded	S = 1
3 = Teflon E	3 =	C = 28	*H = 898008-1	H = Tw Tpl, Solid	T = 0
4 = Teflon EE	4 =	D = 26	*J = MIL-C-17/29	J = Tw Tpl, Shielded	U = 00
5 = Fluorinated Ethylene Propylene (FEP), Type K	5 = Integral Lead	E = 24	*K = MIL-C-17/30	K = Tw Quadr, Stranded	V = 000
6 = FEP, Type KT	6 = Auto Wire Wrap	F = 22	*L = MIL-C-17/79	L = Tw Quadr, Solid	W = 0000
7 = Special Condition	7 =	G = 20	*M = MIL-C-17/74	M = Tw Quadr, Shielded	X = Coax
8 = Polyvinyl Chloride (PVC) with Nylon Jacket, Type D	8 =	H = 18	*N = MIL-C-17/86	N = Tw Six Conductor, Stranded	Y =
9 = MIL-W-81044/12	9 =	I = 16	*P = MIL-C-17/28	P =	Z =
0 = Buss or Integral	0 = Special	J = 14	*R = 898008-4	R =	1 =
A = PVC without Jacket, Type B	A = Single Stranded	K = 12	*S = MIL-C-17/6	S =	2 =
B = PVC with Jacket	B = Single Solid	L = 10	*T = 898059-0001	T =	3 =
C = MIL-W-22759/1	C = Single Shielded	M = 8	U = 898017-1	U =	4 =
D = MIL-W-5086/1	D = TW Pr, Stranded	N = 6	V = 898017-2	V =	5 =
E = MIL-W-5086/2	E = Tw Pr, Solid	P = 4	W = 898007-1 thru -4	W = 70 Ohm Coax	6 =
			X = 898004, Type B	X = 50 Ohm Coax	7 =
			Y = 898004, Type D	Y = 75 Ohm Coax	8 =
			*Z = MIL-C-17/94	Z = 95 Ohm Coax	9 = Spcl
			*/= MIL-C-17/118		0 = Int Lead

NOTES : *1 Coax.

2. The word "BAR" in the Code Field indicates an electromechanical connection made possible by buss strips. Printed circuity or power/ground planes will be coded "BUS" in the Code Field if required.

PARTS LIST		CONTRACT NUMBER DAAH01-71-C-0012		CODE IDENT 18876		PL WL10281452		REVISION F	
TITLE CARD RACK ASSY-TEST SET, DIGITAL, LH, WIRE LIST								SHEET 6	
ITEM NO.	FEET OF WIRE REQD	CODE IDENT	PART OR IDENTIFYING NUMBER	DRAWING OR DOCUMENT NUMBER	NOMENCLATURE OR DESCRIPTION	REF SYM	TIMES USED	WIRE CODE	LINE REV
1.			898042-0003		WIRE, ELEC, 250V, PVF INSUL 26 GAGE (BLACK)		8	1BD	
2.			898042-0004		WIRE, ELEC, 250V, PVF INSUL 26 GAGE (RED)		50	1BD	
3.			898041-0002		WIRE, ELEC, 250V, PVF INSUL 30 GAGE (WHITE)		1822	16B	
(PARTS LIST FOR REFERENCE ONLY)									

DRAWING NUMBER UNIT ASSEMBLY NAME		WL10281452 CARD CAGE WIRED LH MTS		STRING				UNIT ASSEMBLY NO. FILE IDENT		10281452 TSQ3MTSL		REV F DATE		INDEX PAGE		+05RES 7							
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT											
03482	J1144	39		J1136	03		180	2				+05RES	00					MTS					A01
00001	J1136	03		J1136	04		180	2				+05RES	01					RR1	AP				A01
00002	J1136	04		J1136	14		180	2				+05RES	02					RR1	AP				A01
00003	J1136	14		J1136	13		180	2				+05RES	03					RR1	BP				A01
00004	J1136	13		J1136	21		180	2				+05RES	04					RR1	BP				A01
00005	J1136	21		J1136	22		180	2				+05RES	05					RR1	CP				A01
00006	J1136	22		J1136	34		180	2				+05RES	06					RR1	CP				A01
00007	J1136	34		J1136	33		180	2				+05RES	07					RR1	DP				A01
00008	J1136	33		J1136	49		180	2				+05RES	08					RR1	DP				A01
00009	J1136	49		J1136	50		180	2				+05RES	09					RR1	EP				A01
00010	J1136	50		J1136	60		180	2				+05RES	10					RR1	EP				A01
00011	J1136	60		J1136	59		180	2				+05RES	11					RR1	FP				A01
00012	J1136	59		J1136	69		180	2				+05RES	12					RR1	FP				A01
00013	J1136	69		J1136	70		180	2				+05RES	13					RR1	GP				A01
00014	J1136	70		J1136	80		180	2				+05RES	14					RR1	GP				A01
00015	J1136	80		J1136	79		180	2				+05RES	15					RR1	HP				A01
00016	J1136	79		J1129	80		180	2				+05RES	16					RR1	HP				A01
03363	J1129	80		J1129	79		180	2				+05RES	17					RR4	HP				A01
03362	J1129	79		J1129	70		180	2				+05RES	18					RR4	HP				A01
03353	J1129	70		J1129	69		180	2				+05RES	19					RR4	GP				A01
03352	J1129	69		J1129	60		180	2				+05RES	20					RR4	GP				A01
03343	J1129	60		J1129	59		180	2				+05RES	21					RR4	FP				A01
03342	J1129	59		J1129	50		180	2				+05RES	22					RR4	FP				A01
03333	J1129	50		J1129	49		180	2				+05RES	23					RR4	EP				A01
03332	J1129	49		J1129	34		180	2				+05RES	24					RR4	EP				A01
03317	J1129	34		J1129	33		180	2				+05RES	25					RR4	DP				A01
03316	J1129	33		J1129	22		180	2				+05RES	26					RR4	DP				A01
03305	J1129	22		J1129	21		180	2				+05RES	27					RR4	CP				A01
03304	J1129	21		J1129	14		180	2				+05RES	28					RR4	CP				A01
03297	J1129	14		J1129	13		180	2				+05RES	29					RR4	BP				A01
03296	J1129	13		J1129	04		180	2				+05RES	30					RR4	BP				A01
03287	J1129	04		J1129	03		180	2				+05RES	31					RR4	AP				A01
03286	J1129	03		J1118	04		180	2				+05RES	32					RR4	AP				A01
00032	J1118	04		J1118	03		180	2				+05RES	33					RR1	AP				A01
00031	J1118	03		J1118	13		180	2				+05RES	34					RR1	AP				A01
00030	J1118	13		J1118	14		180	2				+05RES	35					RR1	BP				A01
00029	J1118	14		J1118	22		180	2				+05RES	36					RR1	BP				A01
00028	J1118	22		J1118	21		180	2				+05RES	37					RR1	CP				A01
00027	J1118	21		J1118	33		180	2				+05RES	38					RR1	CP				A01
00026	J1118	33		J1118	34		180	2				+05RES	39					RR1	DP				A01
00025	J1118	34		J1118	50		180	2				+05RES	40					RR1	DP				A01
00024	J1118	50		J1118	49		180	2				+05RES	41					RR1	EP				A01
00023	J1118	49		J1118	59		180	2				+05RES	42					RR1	EP				A01
00022	J1118	59		J1118	60		180	2				+05RES	43					RR1	FP				A01
00021	J1118	60		J1118	70		180	2				+05RES	44					RR1	FP				A01
00020	J1118	70		J1118	69		180	2				+05RES	45					RR1	GP				A01
00019	J1118	69		J1118	79		180	2				+05RES	46					RR1	GP				A01
00018	J1118	79		J1118	80		180	2				+05RES	47					RR1	HP				A01
											***	SIGNAL	(+05RES		IS ON THE								***

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F** INDEX **+05RES**
 DATE **09-01-82** PAGE **8**

RECORD NUMBER	FROM			TO			WIRE							SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PIN	PREFIX	CONNECTOR	PIN	MTS	MULTI GROUP	CODE	COLOR	IDENT	AND								OR			
00017		J1118	80							18D	2		K	+05RES	48			RR1	HP				A01	
03654		J1147	80		J1144	43				18D	2			+05RES1	49			FTH					C04	
03486		J1144	43							18D	2			+05RES1	50			MTS					C04	
03961		J1144	12		J1144	46				18D	2			+5V01	01			MTS					E07	
03489		J1144	46											+5V01	02			MTS					E07	
03941		J1129	02		J1129	06				168	9			G12902	01			RR4						
03289		J1129	06		J1129	18				168	9			G12902	02			RR4	AC					
03301		J1129	18							168	9			G12902	03			RR4	BC					
03942		J1129	32		J1129	30				168	9			G12932	01			RR4						
03313		J1129	30							168	9			G12932	02			RR4	CC					
03943		J1129	44		J1129	40				168	9			G12944	01			RR4						
03323		J1129	40		J1129	54				168	9			G12944	02			RR4	DC					
03337		J1129	54							168	9			G12944	03			RR4	EC					
03944		J1129	67		J1129	64				168	9			G12967	01			RR4						
03347		J1129	64		J1129	74				168	9			G12967	02			RR4	FC					
03357		J1129	74		J1129	77				168	9			G12967	03			RR4	GC					
03360		J1129	77							168	9			G12967	04			RR4	HC					
03945		J1138	02		J1138	13				168	9			G13802	01			DR1						
00565		J1138	13		J1138	14				168	9			G13802	02			DR1	BP					
00566		J1138	14							168	9			G13802	03			DR1	BP					
03946		J1138	32		J1138	33				168	9			G13832	01			DR1						
00568		J1138	33		J1138	34				168	9			G13832	02			DR1	DP					
00569		J1138	34							168	9			G13832	03			DR1	DP					
03947		J1138	58		J1138	59				168	9			G13858	01			DR1						
02635		J1138	59		J1138	60				168	9			G13858	02			DR1	FP					
02636		J1138	60							168	9			G13858	03			DR1	FP					
03948		J1138	67		J1138	79				168	9			G13867	01			DR1						
02639		J1138	79		J1138	80				168	9			G13867	02			DR1	HP					
02640		J1138	80							168	9			G13867	03			DR1	HP					
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02643		J1139	13		J1139	14				168	9			G13902	02			DR1	BP					
02644		J1139	14							168	9			G13902	03			DR1	BP					
03950		J1139	32		J1139	33				168	9			G13932	01			DR1						
02647		J1139	33		J1139	34				168	9			G13932	02			DR1	DP					
02648		J1139	34							168	9			G13932	03			DR1	DP					
03951		J1139	58		J1139	59				168	9			G13958	01			DR1						
02651		J1139	59		J1139	60				168	9			G13958	02			DR1	FP					
										****			SIGNAL	G13958									IS ON THE NEXT PAGE ****	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **G13958**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **9**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
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03952		J1139	67		J1139	79			168	9			G13967	01			DR1						
02655		J1139	79		J1139	80			168	9			G13967	02			DR1	HP					
02656		J1139	80						168	9			G13967	03			DR1	HP					
03953		J1144	02		J1144	01			180	0			G14402	01			MTS						
03444		J1144	01		J1144	03			180	0			G14402	02			MTS						
03446		J1144	03		J1144	05			180	0			G14402	03			MTS						C05
03448		J1144	05		J1144	62			180	0			G14402	05			MTS						C05
03505		J1144	62						180	0			G14402	06			MTS						C05
03499		J1144	56		J1144	58			180	0			G14458	01			MTS						E07
03962		J1144	58						180	0			G14458	02			MTS						E07
03630		J1147	56		J1109	10			168	9			HACWAA	02			ETH						C01
02243		J1109	10						168	9			HACWAA	03	HBFAGA	01 3	TT3	A1		07A			C01
03649		J1147	75		J1141	76			168	9			HAENER	01			FTH						C02
03041		J1141	76						168	9			HAENER	02	HBCWA0V	01 1	THI	F5		37A			C02
03646		J1147	72		J1109	79			168	9			HAFTBP	01			FTH						C02
02928		J1109	79						168	9			HAFTBP	02	HBTCPO	01 3	TT3	F1		39B			C02
03644		J1147	70		J1128	68			168	9			HAFTBQ	01			FTH						C02
00596		J1128	68						168	9			HAFTBQ	02	HBCASA	01 1	TQ2	E1		32A			C02
00594		J1147	38		J1142	73			168	9			HAFTCOV	01			FTH						C02
00595		J1142	73						168	9			HAFTCOV	02	HBS8BA	01 2	TQ2	F2		36B			C02
00597		J1147	22		J1106	06			168	9			HAT183E	01			FTH						C02
02775		J1106	06						168	9			HAT183E	02	HBTDEA	01 1	TD4	A1		05A			C02
03784		J1117	69		J1140	73			168	9			HBBARA	01	HBBARA	00 1	TQ2	F3		35A			C01
02813		J1140	73						168	9			HBBARA	02	HBBA7P	01 1	TDD	MP		36B			C01
03785		J1117	80		J1140	65			168	9			HBBASA	01	HBBASA	00 1	TQ2	F4		39A			C01
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03815		J1140	69		J1137	76			168	9			HBBA7P	01	HBBA7P	00 1	TDD	MP		35A			C01
03004		J1137	76						168	9			HBBA7P	02	HBTCSD1	01 1	TLD	F4		37A			C03
03816		J1140	74		J1135	65			168	9			HBBA7Q	01	HBBA7Q	00 1	TDD	MQ		35B			C01
00620		J1135	65						168	9			HBBA7Q	02	HBB240	01 1	TT3	F2		34B			C01
03781		J1117	60		J1105	04			168	9			HBBBRA	01	HBBBRA	00 1	TQ2	E2		28A			C01
02752		J1105	04						168	9			HBBBRA	02	HBBB7P	01 1	TDD	BP		04A			C01
03783		J1117	66		J1105	03			168	9			HBBBSA	01	HBBBSA	00 1	TQ2	E1		31A			C01
02759		J1105	03						168	9			HBBBSA	02	HBBB7Q	01 1	TDD	BQ		02A			C01

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F**
 DATE **09-01-82**

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 PAGE **10**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT												
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02475		J1113	05		J1113	10				168	9		HBB87P	02	HBB11A	01	2	TQ2	A2		03B		C01	
02476		J1113	10		J1126	61				168	9		HBB87P	03	HBB02A	01	2	TQ2	A1		07A		C01	
02478		J1126	61		J1126	75				168	9		HBB87P	04	HBB05A	01	3	TT3	E3		32B		C01	
02479		J1126	75		J1126	78				168	9		HBB87P	05	HBB06A	01	1	TT3	F1		37B		C01	
02480		J1126	78		J1126	72				168	9		HBB87P	06	HBB09A	01	3	TT3	F3		38A		C01	
02481		J1126	72							168	9		HBB87P	07	HBB08A	01	3	TT3	F2		34A		C01	
03688		J1105	07		J1128	18				168	9		HBB87Q	01	HBB87Q	00	1	TDD	BQ		03A		C01	
02484		J1128	18							168	9		HBB87Q	02	HBB04A	01	1	TQ2	B2		10A		C01	
02097		J1126	43		J1117	62				168	9		HBBIER	04	HBBIER	00	1	TT3	D2		23B		C06	
02945		J1117	62		J1117	70				168	9		HBBIER	05	HBBBRA	01	1	TQ2	E2		29A		C06	
02870		J1117	70		J1117	74				168	9		HBBIER	06	HBB8SA	01	2	TQ2	F1		33A		C06	
02869		J1117	74		J1117	78				168	9		HBBIER	07	HBBARA	01	2	TQ2	F3		35B		C06	
02868		J1117	78		J1107	10				168	9		HBBIER	08	HBBASA	01	2	TQ2	F4		38A		C06	
03213		J1107	10							168	9		HBBIER	09	HBBIES	01	3	TT3	A1		07A		C06	
03207		J1107	04		J1112	52				168	9		HBBIES	01	HBBIES	00	1	TT3	A1		04A		C06	
02841		J1112	52		J1112	69				168	9		HBBIES	02	HBB38AV	01	1	THI	D1		26A		C06	
02840		J1112	69		J1126	41				168	9		HBBIES	03	HBB37AV	01	1	THI	F3		35B		C06	
02112		J1126	41							168	9		HBBIES	04	HBBIER	01	1	TT3	D2		22B		C06	
00601		J1147	31		J1117	30				168	9		HBBP1A	01				FTH						
00602		J1117	30							168	9		HBBP1A	02	HBBP1A	00	1	TQ2	C2		15A			
00603		J1147	33		J1117	33				168	9		HBBP2A	01				FTH						
00604		J1117	33							168	9		HBBP2A	02	HBBP2A	00	1	TQ2	C3		16B			
00605		J1147	34		J1117	39				168	9		HBBP3A	01				FTH						
00606		J1117	39							168	9		HBBP3A	02	HBBP3A	00	1	TQ2	C4		19B			
00607		J1128	08		J1127	19				168	9		HBB01AV	01	HBB210	01	1	TQ2	A1		06A			
00608		J1127	19							168	9		HBB01AV	02	HBB01AV	00	1	THI	B5		10B			
00609		J1128	10		J1128	04				168	9		HBB02A	01	HBB210	01	2	TQ2	A1		07A			
00610		J1128	04		J1113	06				168	9		HBB02A	02	HBB220	01	1	TQ2	A2		04A			
00611		J1113	06							168	9		HBB02A	03	HBB02A	00	1	TQ2	A1		05A			
00612		J1128	05		J1127	26				168	9		HBB03AV	01	HBB220	01	2	TQ2	A2		03B			
00613		J1127	26							168	9		HBB03AV	02	HBB03AV	00	1	THI	B6		12B			
00614		J1135	57		J1128	14				168	9		HBB04A	01	HBB230	01	1	TT3	E3		30B			
00615		J1128	14							168	9		HBB04A	02	HBB04A	00	1	TQ2	B2		09A			
00616		J1135	59		J1126	63				168	9		HBB05A	01	HBB230	01	2	TT3	E3		31B			
00617		J1126	63							168	9		HBB05A	02	HBB05A	00	1	TT3	E3		33B			
													****	SIGNAL	(HBB06A	IS ON THE	NEXT PAGE	****						

DRAWING NUMBER UNIT ASSEMBLY NAME		WL10281452 CARD CAGE WIRED LH MTS										STRING		UNIT ASSEMBLY NO. FILE IDENT		10281452 TSQ3MTSL		REV F DATE		INDEX PAGE		HBB06A 11	
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
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00619		J1126	73							16B	9		HBB06A	02	HBB06A	00	1	TT3	F1		36B		
00621		J1128	22		J1117	76				16B	9		HBB07A	01	HBB07A	00	1	TQ2	B1		12A		C01
02930		J1117	76		J1116	76				16B	9		HBB07A	02	HBBASA	01	1	TQ2	F4		37A		C01
02932		J1116	76							16B	9		HBB07A	03	HBB070V	01	1	THI	F5		37A		C01
03776		J1116	78		J1117	65				16B	9		HBB070V	01	HBB070V	00	1	THI	F5		36A		C01
02938		J1117	65							16B	9		HBB070V	02	HBBARA	01	1	TQ2	F3		34B		C01
00622		J1135	71		J1126	74				16B	9		HBB08A	01	HBB240	01	2	TT3	F2		34A		
00623		J1126	74							16B	9		HBB08A	02	HBB08A	00	1	TT3	F2		35B		
00624		J1135	72		J1126	80				16B	9		HBB09A	01	HBB240	01	3	TT3	F2		34A		
00625		J1126	80							16B	9		HBB09A	02	HBB09A	00	1	TT3	F3		39A		
00626		J1128	03		J1127	30				16B	9		HBB10AV	01	HBB250	01	1	TQ2	A3		02A		
00627		J1127	30							16B	9		HBB10AV	02	HBB10AV	00	1	THI	C4		14B		
00628		J1128	11		J1128	07				16B	9		HBB11A	01	HBB260	01	1	TQ2	A4		05B		
00629		J1128	07		J1113	01				16B	9		HBB11A	02	HBB250	01	2	TQ2	A3		03A		
00630		J1113	01							16B	9		HBB11A	03	HBB11A	00	1	TQ2	A2		02B		
00631		J1128	13		J1127	31				16B	9		HBB12AV	01	HBB260	01	2	TQ2	A4		06B		
00632		J1127	31							16B	9		HBB12AV	02	HBB12AV	00	1	THI	C5		16B		
00633		J1128	21		J1113	03				16B	9		HBB130	01	HBB130	00	1	TQ2	B3		10B		
00634		J1113	03							16B	9		HBB130	02	HBB15A	01	1	TQ2	A3		02A		
00635		J1128	27		J1113	07				16B	9		HBB140	01	HBB140	00	1	TQ2	B4		13B		
00636		J1113	07							16B	9		HBB140	02	HBB15A	01	2	TQ2	A3		03A		
01448		J1133	59		J1116	04				16B	9		HBB15A	01	HBB510V	01	1	THI	E5		31B		C06
00638		J1116	04		J1116	05				16B	9		HBB15A	02	HBAKAAV	01	1	THI	A3		02A		
00639		J1116	05		J1113	09				16B	9		HBB15A	03	HBAKABV	01	1	THI	A4		03B		
00640		J1113	09		J1107	30				16B	9		HBB15A	04	HBB15A	00	1	TQ2	A3		04B		C06
03233		J1107	30		J1107	40				16B	9		HBB15A	05	HBSB7A	01	2	TT3	C2		15A		C06
03243		J1107	40							16B	9		HBB15A	06	HBSB80	01	2	TT3	C1		19A		C06
00641		J1131	37		J1128	06				16B	9		HBB210	01	HBCID1V	01	1	R05	B1				
00642		J1128	06							16B	9		HBB210	02	HBB210	00	1	TQ2	A1		05A		
00643		J1131	39		J1128	01				16B	9		HBB220	01	HBCID2V	01	1	R05	B2				
00644		J1128	01							16B	9		HBB220	02	HBB220	00	1	TQ2	A2		02B		
00645		J1135	63		J1131	41				16B	9		HBB230	01	HBB230	00	1	TT3	E3		33B		
00646		J1131	41							16B	9		HBB230	02	HBCID3V	01	1	R05	B3				
00647		J1135	74		J1131	49				16B	9		HBB240	01	HBB240	00	1	TT3	F2		35B		
00648		J1131	49							16B	9		HBB240	02	HBCID4V	01	1	R05	B4				

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DRAWING NUMBER WL10281452										STRING			UNIT ASSEMBLY NO. 10281452		REV F		INDEX HBB31S					
UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS													FILE IDENT TSQ3MTSL		DATE 09-01-82		PAGE 13					
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GRUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
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02554		J1113	04									HBB31S	07	HBB11A	01	1	TQ2	A2		04A		C01
03679		J1103	21		J1109	40						HBB32A	01	HBB32A	00	1	TQ2	B3		10B		C01
02892		J1109	40									HBB32A	02	HBB31R	01	2	TT3	C1		19A		C01
03683		J1103	39		J1105	17						HBB33A	01	HBB33A	00	1	TQ2	C4		19B		C01
02760		J1105	17									HBB33A	02	HBB33Q	01	1	TDD	DQ		08B		C01
03692		J1105	19		J1128	23						HBB33Q	01	HBB33Q	00	1	TDD	DQ		09B		C01
02563		J1128	23		J1127	29						HBB33Q	02	HBB140	01	1	TQ2	B4		11B		C01
02564		J1127	29		J1126	59						HBB33Q	03	HBB10AV	01	1	THI	C4		15B		C01
02565		J1126	59									HBB33Q	04	HBB05A	01	2	TT3	E3		31B		C01
03684		J1103	66		J1105	20						HBB34A	01	HBB34A	00	1	TQ2	E1		31A		C01
02753		J1105	20									HBB34A	02	HBB33P	01	1	TDD	DP		11A		C01
03713		J1109	74		J1105	27						HBB35A	01	HBB35A	00	1	TT3	F2		35B		C01
02732		J1105	27									HBB35A	02	HBB35Q	01	1	TDD	CQ		13B		C01
03695		J1105	25		J1128	25						HBB35Q	01	HBB35Q	00	1	TDD	CQ		12B		C01
02567		J1128	25		J1127	33						HBB35Q	02	HBB140	01	2	TQ2	B4		12B		C01
02568		J1127	33		J1126	76						HBB35Q	03	HBB12AV	01	1	THI	C5		17B		C01
02569		J1126	76									HBB35Q	04	HBB09A	01	2	TT3	F3		37A		C01
03714		J1109	80		J1105	22						HBB36A	01	HBB36A	00	1	TT3	F3		39A		C01
02723		J1105	22									HBB36A	02	HBB35P	01	1	TDD	CP		12A		C01
02962		J1128	76		J1128	74						HBB37AV	01	HBB30A	01	1	TQ2	F4		37A		C01
02991		J1128	74		J1117	56						HBB37AV	02	HBB29A	01	2	TQ2	F3		35B		C01
02336		J1117	56		J1117	47						HBB37AV	03	HBB27A	01	2	TQ2	D1		26A		C01
02940		J1117	47		J1112	70						HBB37AV	04	HBB28A	01	1	TQ2	D4		25B		C01
03728		J1112	70		J1109	35						HBB37AV	05	HBB37AV	00	1	THI	F3		34B		C01
02893		J1109	35		J1103	17						HBB37AV	06	HBB31A	01	2	TT3	C3		17B		C01
02703		J1103	17									HBB37AV	07	HBB32A	01	1	TQ2	B3		08B		C01
03727		J1112	54		J1109	65						HBB38AV	01	HBB38AV	00	1	THI	D1		25A		C01
02836		J1109	65		J1109	69						HBB38AV	02	HBB35A	01	1	TT3	F2		34B		C01
02837		J1109	69		J1103	68						HBB38AV	03	HBB36A	01	1	TT3	F3		35A		C01
02696		J1103	68		J1103	35						HBB38AV	04	HBB34A	01	1	TQ2	E1		32A		C01
02701		J1103	35									HBB38AV	05	HBB33A	01	1	TQ2	C4		17B		C01
03773		J1116	71		J1117	49						HBB390V	01	HBB390V	00	1	THI	F2		36B		C01
02875		J1117	49									HBB390V	02	HBB28A	01	2	TQ2	D4		26B		C01
03774		J1116	72		J1128	78						HBB400V	01	HBB400V	00	1	THI	F4		34A		C01
02990		J1128	78									HBB400V	02	HBB30A	01	2	TQ2	F4		38A		C01
03775		J1116	77		J1103	19						HBB410V	01	HBB410V	00	1	THI	F6		38A		C01
02705		J1103	19									HBB410V	02	HBB32A	01	2	TQ2	B3		09B		C01

3-2879-1

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F**
 DATE **09-01-82**

INDEX **HBB410V**
 PAGE **14**

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03729 02888		J1112 J1109	71 76		J1109	76				16B 16B	9 9			HBB430V HBB430V	01 02	HBB430V HBB36A	00 01	1 2	THI TT3	F2 F3		36B 37A	C01 C01
03279 01453		J1107 J1133	76 57		J1133	57				16B 16B	9 9			HBB510V HBB510V	01 02	HBB52A HBB510V	01 00	2 1	TT3 THI	F3 E5		37A 30B	C06 C06
03283 01005		J1107 J1142	80 79		J1142	79				16B 16B	9 9			HBB52A HBB52A	01 02	HBB52A HBB530	00 01	1 2	TT3 TQ2	F3 F1		39A 39B	C06 C06
02002 00637		J1113 J1146	66 78		J1146	78				16B 16B	9 9			HBB53A HBB53A	01 02	HBB53A HCDMMZ	00 05	1 1	TQ2 EXT	E1		31A	C07 C07
00598 01996		J1113 J1142	70 75		J1142	75				16B 16B	9 9			HBB530 HBB530	01 02	HBB53A HBB530	01 00	2 1	TQ2 TQ2	E1 F1		33A 37B	C07 C06
01341 00653 00654		J1142 J1128 J1113	35 66 61		J1128 J1113	66 61				16B 16B 16B	9 9 9			HBCASA HBCASA HBCASA	00 01 02	HBFBJA HBCASA HBCSCO	01 00 01	1 1 2	TQ2 TQ2 TQ2	C4 E1 E4		17B 31A 32B	C01
00655 00656 00657 00658 00659 00660 00661 00662 00663 00664 00665		J1124 J1123 J1122 J1122 J1123 J1124 J1124 J1124 J1123 J1123 J1122 J1118 J1118 J1108	62 62 62 38 38 38 15 15 15 05 05 39		J1123 J1122 J1122 J1123 J1124 J1124 J1123 J1122 J1118 J1108	62 62 38 38 38 15 15 15 05 39				16B 16B 16B 16B 16B 16B 16B 16B 16B 16B 16B	9 9 9 9 9 9 9 9 9 9 9		P P P P P P P P P P P	HBC3A1V HBC6A1V HBC9A1V HBC8A1V HBC5A1V HBC2A1V HBC1A1V HBC4A1V HBC7A1V HBCA1B1 HBCA1B1	01 02 03 04 05 06 07 08 09 10 11	HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBCA1B1 HBLA11U	03 06 09 08 05 02 01 04 07 04 07	1 1 1 1 1 1 1 1 1 1 1	R05 R05 R05 R05 R05 R05 R05 R05 R05 RR1 D8C	C1 C1 C1 B1 B1 B1 A1 A1 A1 A1 C1		T17 T17 T17 T09 T09 T09 T01 T01 T01 A1 18B	
00666 00667 00668 00669 00670 00671 00672 00673 00674 00675 00676		J1124 J1123 J1122 J1122 J1123 J1124 J1124 J1124 J1123 J1123 J1122 J1118 J1118 J1108	64 64 64 40 40 40 18 18 18 06 06 41		J1123 J1122 J1122 J1123 J1124 J1124 J1123 J1122 J1118 J1108	64 64 40 40 40 18 18 18 06 41				16B 16B 16B 16B 16B 16B 16B 16B 16B 16B 16B	9 9 9 9 9 9 9 9 9 9 9		P P P P P P P P P P P	HBC3A2V HBC6A2V HBC9A2V HBC8A2V HBC5A2V HBC2A2V HBC1A2V HBC4A2V HBC7A2V HBCA2B1 HBCA2B1	01 02 03 04 05 06 07 08 09 10 11	HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBCA2B1 HBLA11U	03 06 09 08 05 02 01 04 07 04 07	1 1 1 1 1 1 1 1 1 1 2	R05 R05 R05 R05 R05 R05 R05 R05 R05 RR1 D8C	C2 C2 C2 B2 B2 B2 A2 A2 A2 A2 C1		T18 T18 T18 T10 T10 T10 T02 T02 T02 A2 19B	
00677 00678		J1124 J1123	66 66		J1123 J1122	66 66				16B 16B	9 9		P P	HBC3A3V HBC6A3V	01 02	HBCA3B1 HBCA3B1	03 06	1 1	R05 R05	C3 C3		T19 T19	
**** SIGNAL (HBCA3B1) IS ON THE NEXT PAGE ****																							

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FILE IDENT												TSQ3MTSL		DATE		PAGE					
TSQ3MTSL												09-01-82		18							
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00819	J1119	29		J1118	29		168	9		P	HBC7B7V	09	HBCB7B1	07	1	RO5	A7	T07			
00820	J1118	29					168	9		P	HBCB7B1	10			RR1	C3				A01	
02955	J1126	14		J1121	76		168	9		P	HBCB8B1	01	HBFARA	01	1	TT3	B2	09A		B02	
00823	J1121	76		J1120	76		168	9		P	HBC3B8V	02	HBCB8B1	03	1	RO5	C8	T24			
00824	J1120	76		J1119	76		168	9		P	HBC6B8V	03	HBCB8B1	06	1	RO5	C8	T24			
00825	J1119	76		J1119	54		168	9		P	HBC9B8V	04	HBCB8B1	09	1	RO5	C8	T24			
00826	J1119	54		J1120	54		168	9		P	HBC8B8V	05	HBCB8B1	08	1	RO5	B8	T16			
00827	J1120	54		J1121	54		168	9		P	HBC5B8V	06	HBCB8B1	05	1	RO5	B8	T16			
00828	J1121	54		J1121	34		168	9		P	HBC2B8V	07	HBCB8B1	02	1	RO5	B8	T16			
00829	J1121	34		J1120	34		168	9		P	HBC1B8V	08	HBCB8B1	01	1	RO5	A8	T08			
00830	J1120	34		J1119	34		168	9		P	HBC4B8V	09	HBCB8B1	04	1	RO5	A8	T08			
00831	J1119	34		J1118	30		168	9		P	HBC7B8V	10	HBCB8B1	07	1	RO5	A8	T08			
00832	J1118	30		J1112	38		168	9			HBCB8B1	11			RR1	C4					
00833	J1112	38					168	9			HBCB8B1	12	HBINHAV	01	1	THI	C1	20A			
03687	J1104	48		J1140	42		168	9			HBCCP0V	01	HBCCP0V	00	1	THI	D3	21A		E04	
02978	J1140	42					168	9			HBCCP0V	03	HBCCP0V	01	1	YDD	EN	20A		A01	
02807	J1115	05		J1115	21		168	9			HBCCRAV	00C	HBMXC3T	01	1	DBC	A4	03B		B03	
02808	J1115	21		J1110	74		168	9			HBCCRAV	00H	HBMXC3T	01	1	DBC	B4	10B		B03	
02805	J1110	74		J1116	68		168	9			HBCCRAV	01	HBCWD1E	01	2	TS4	F2	36A		B01	
03771	J1116	68		J1125	21		168	9			HBCCRAV	02	HBCCRAV	00	1	THI	E6	32B		A01	
02809	J1125	21					168	9			HBCCRAV	03	HBCWM3T	01	1	DBC	B4	10B		A01	
00834	J1109	01		J1110	26		168	9			HBCCTP	01	HBTFF0	01	1	TT3	A2	02B			
00835	J1110	26		J1110	40		168	9			HBCCTP	02	HBT192E	01	2	TS4	B3	13A			
00836	J1110	40		J1105	45		168	9			HBCCTP	03	HBT202E	01	2	TS4	C3	19A			
00837	J1105	45		J1104	65		168	9			HBCCTP	04	HBCCTP	00	1	TDD	HP	24B			
00838	J1104	65					168	9			HBCCTP	05	HBCGDAV	01	1	THI	E6	33B			
00839	J1110	22		J1110	36		168	9			HBCCTQ	01	HBT191E	01	2	TS4	B2	11A			
00840	J1110	36		J1105	43		168	9			HBCCTQ	02	HBT201E	01	2	TS4	C2	17A			
00841	J1105	43		J1104	59		168	9			HBCCTQ	03	HBCCTQ	00	1	TDD	HQ	23B			
00842	J1104	59		J1108	80		168	9			HBCCTQ	04	HBCGEAV	01	1	THI	E5	31B			
00843	J1108	80		J1113	79		168	9			HBCCTQ	05	HBCGA1U	01	5	DBC	E1	38B			
00844	J1113	79		J1125	80		168	9			HBCCTQ	06	HBCS2A	01	2	TQ2	F1	39B			
00845	J1125	80					168	9			HBCCTQ	07	HBCGB1U	01	5	DBC	E1	38B			
02909	J1125	19		J1140	37		168	9			HBC3Q	01	HBCWM2T	01	1	DBC	B3	09B		A01	
03814	J1140	37					168	9			HBC3Q	02	HBC3Q	00	1	TDD	EQ	18B		A01	
00846	J1125	79		J1113	55		168	9			HBCGA5U	01	HBCGB3U	01	1	DBC	E3	37B			
00847	J1113	55		J1108	68		168	9			HBCGA5U	02	HBCGCA	01	2	TQ2	E3	29B			
00848	J1108	68					168	9			HBCGA5U	03	HBCGA5U	00	1	DBC	E5	33A			
00849	J1125	68		J1113	53		168	9			HBCGB5U	01	HBCGB5U	00	1	DBC	E5	33A			
00850	J1113	53					168	9			HBCGB5U	02	HBCGCA	01	1	TQ2	E3	28B			
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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE							
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		HBCGCA 19							
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	IN FC	PREFIX	CONNECTOR	PIN	IN FC	MULTI GROUP	CODE	COLOR	IDENT											
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00851		J1113	57		J1103	77			16B	9			HBCGCA	001	HBCGCA	00	1	TQ2	E3		30B	(72 SHIFT COMP)*	
00852		J1103	77						16B	9			HBCGCA	02	HBCVRO	01	1	TQ2	F1		38B		
00853		J1147	39		J1104	68			16B	9			HBCGDAV	01	HBCGDAV	00	1	FTH					
00854		J1104	68						16B	9			HBCGDAV	02	HBCGDAV	00	1	THI	E6		32B	LOAD*	
00855		J1147	40		J1104	57			16B	9			HBCGEAV	01	HBCGEAV	00	1	FTH					
00856		J1104	57						16B	9			HBCGEAV	02	HBCGEAV	00	1	THI	E5		30B	SHIFT*	
00857		J1147	41		J1117	75			16B	9			HBCGFA	01	HBCGFA	00	1	FTH					C05
01730		J1117	75						16B	9			HBCGFA	02	HBCGFA	00	1	TQ2	F1		37B		C05
01719		J1117	77		J1103	57			16B	9			HBCGFO	01	HBCGFA	01	1	TQ2	F1		38B		C05
00860		J1103	57						16B	9			HBCGFO	02	HBCGFO	00	1	TQ2	E3		30B		
00861		J1125	69		J1108	69			16B	9			HBCG20	01	HBCG82U	01	1	DBC	E2		32A		
00862		J1108	69		J1103	63			16B	9			HBCG20	02	HBCGA2U	01	1	DBC	E2		32A		
00863		J1103	63						16B	9			HBCG20	03	HBCG20	00	1	TQ2	E4		33B		
00877		J1131	38									J	HBCID1V	01	HBCID1V	00	1	R05	B1		T09	HBCI0B1 BUSS	
00878		J1131	40									J	HBCID2V	01	HBCID2V	00	1	R05	B2		T10	HBCI1B1 BUSS	
00879		J1131	42									J	HBCID3V	01	HBCID3V	00	1	R05	B3		T11	HBCI2B1 BUSS	
00880		J1131	46									J	HBCID4V	01	HBCID4V	00	1	R05	B4		T12	HBCI3B1 BUSS	
00881		J1131	48									J	HBCID5V	01	HBCID5V	00	1	R05	B5		T13	HBCI4B1 BUSS	
00882		J1131	50									J	HBCID6V	01	HBCID6V	00	1	R05	B6		T14	HBCI5B1 BUSS	
00864		J1140	18		J1137	35			16B	9			HBCID7V1	01	HBCR1I	01	1	TDD	D1		10A		C01
00865		J1137	35		J1137	29			16B	9			HBCID7V1	02	HBC32D	01	1	TLD	C4		17B		C01
00866		J1137	29		J1137	23			16B	9			HBCID7V1	03	HBC16D	01	1	TLD	C3		14B		C01
00867		J1137	23		J1137	24			16B	9			HBCID7V1	04	HBC08D	01	1	TLD	B4		11B		C01
00868		J1137	24		J1137	18			16B	9			HBCID7V1	05	HBC01D	01	1	TLD	B1		13A		C01
00869		J1137	18		J1137	17			16B	9			HBCID7V1	06	HBC02D	01	1	TLD	B2		10A		C01
00870		J1137	17		J1136	56			16B	9			HBCID7V1	07	HBC04D	01	1	TLD	B3		08B		C01
00887		J1136	56		J1131	52			16B	9			HBCID7V1	08				RR1	F4				C01
00886		J1131	52		J1126	09			16B	9			HBCID7V1	09	HBCID7V1	00	1	R05	B7		T15		C01
00872		J1126	09						16B	9			HBCID7V1	10	HBCSSA	01	1	TT3	A3		04B		C01
00888		J1106	68		J1131	54			16B	9			HBCID8V1	01	HBF8E0	01	3	TD4	E1		32A		
00889		J1131	54		J1136	62			16B	9			HBCID8V1	02	HBCID8V1	00	1	R05	B8		T16		
00890		J1136	62						16B	9			HBCID8V1	03				RR1	F5				
00891		J1147	01		J1137	22			16B	9			HBCI0B1	01				FTH					
00892		J1137	22		J1136	48			16B	9		P	HBCI0D	02	HBCI0B1	02	1	TLD	B1		12A		
00893		J1136	48		J1131	60			16B	9			HBCI0B1	03				RR1	F4				
									****				SIGNAL (HBCI0B1)		IS ON THE			NEXT PAGE		****			

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBC1081**
 FILE IDENT **TSQ3M1SL** DATE **09-01-82** PAGE **20**

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00895	J1131	38		J1131	13					168	9		P	HBC1081	05	HBC1081	01	1	RO5	B1		T09		
00896	J1131	13		J1108	04					168	9			HBC1081	06	H8H811V1	01	1	RO5	A1				
00897	J1108	04		J1111	37					168	9			HBC1081	07	H8W110T	01	1	DBC	A1		02A		
00898	J1111	37		J1111	60					168	9			HBC1081	08	H8T211V1	01	1	RO5	B1				
00899	J1111	60		J1111	60					168	9			HBC1081	09	H8MYA1V1	01	1	RO5	C1				
00900	J1147	03		J1137	14					168	9			HBC1181	01					FTH				
00901	J1137	14		J1136	52					168	9		P	HBC02D	02	HBC1181	02	1	TLD	B2		09A		
00902	J1136	52		J1131	59					168	9			HBC1181	03					RR1	E5			
00903	J1131	59		J1131	40					168	9			HBC1181	04	H8K812V1	01	1	RO5	C2				
00904	J1131	40		J1131	17					168	9		P	HBC102V	05	HBC1181	01	1	RO5	B2		T10		
00905	J1131	17		J1111	39					168	9			HBC1181	06	H8H812V1	01	1	RO5	A2				
00906	J1111	39		J1111	59					168	9			HBC1181	07	H8T212V1	01	1	RO5	B2				
00907	J1111	59		J1108	06					168	9			HBC1181	08	H8MYA2V1	01	1	RO5	C2				
00908	J1108	06		J1108	06					168	9			HBC1181	09	H8W111T	01	1	DBC	A2		03A		
00909	J1108	03		J1111	41					168	9			H8C1281	01	H8W112T	01	1	DBC	A3		02B		
00910	J1111	41		J1111	61					168	9			H8C1281	02	H8T213V1	01	1	RO5	B3				
00911	J1111	61		J1131	61					168	9			H8C1281	03	H8MYA3V1	01	1	RO5	C3				
00912	J1131	61		J1131	42					168	9			H8C1281	04	H8K813V1	01	1	RO5	C3				
00913	J1131	42		J1131	19					168	9		P	HBC103V	05	H8C1281	01	1	RO5	B3		T11		
00914	J1131	19		J1137	21					168	9			H8C1281	06	H8H813V1	01	1	RO5	A3				
00915	J1137	21		J1136	54					168	9		P	HBC04D	07	H8C1281	02	1	TLD	B3		10B		
00916	J1136	54		J1147	04					168	9			H8C1281	08					RR1	E6			
00917	J1147	04		J1147	04					168	9			H8C1281	09					FTH				
00918	J1147	05		J1137	27					168	9			H8C1381	01					FTH				
00919	J1137	27		J1136	51					168	9		P	HBC08D	02	H8C1381	02	1	TLD	B4		13B		
00920	J1136	51		J1131	46					168	9			H8C1381	03					RR1	F1			
00921	J1131	46		J1131	25					168	9		P	HBC104V	04	H8C1381	01	1	RO5	B4		T12		
00922	J1131	25		J1131	69					168	9			H8C1381	05	H8H814V1	01	1	RO5	A4				
00923	J1131	69		J1111	69					168	9			H8C1381	06	H8K814V1	01	1	RO5	C4				
00924	J1111	69		J1111	49					168	9			H8C1381	07	H8MYA4V1	01	1	RO5	C4				
00925	J1111	49		J1108	20					168	9			H8C1381	08	H8T214V1	01	1	RO5	B4				
00926	J1108	20		J1108	20					168	9			H8C1381	09	H8W120T	01	1	DBC	B1		10A		
00873	J1135	05		J1147	06					168	9			H8C1481	00C	H8FABA	01	3	TT3	A2		03B	C02	
00927	J1147	06		J1137	33					168	9			H8C1481	01					FTH				
00928	J1137	33		J1136	53					168	9		P	HBC16D	02	H8C1481	02	1	TLD	C3		16B		
00929	J1136	53		J1131	48					168	9			H8C1481	03					RR1	F2			
00930	J1131	48		J1131	27					168	9		P	HBC105V	04	H8C1481	01	1	RO5	B5		T13		
00931	J1131	27		J1131	71					168	9			H8C1481	05	H8H815V1	01	1	RO5	A5				
00932	J1131	71		J1111	71					168	9			H8C1481	06	H8K815V1	01	1	RO5	C5				
00933	J1111	71		J1111	51					168	9			H8C1481	07	H8MYA5V1	01	1	RO5	C5				
00934	J1111	51		J1108	22					168	9			H8C1481	08	H8T215V1	01	1	RO5	B5				
00935	J1108	22		J1108	22					168	9			H8C1481	09	H8W121T	01	1	DBC	B2		11A		
00936	J1147	07		J1137	39					168	9			H8C1581	01					FTH				
00937	J1137	39		J1136	55					168	9		P	HBC32D	02	H8C1581	02	1	TLD	C4		19B		
										****		SIGNAL		(H8C1581)									IS ON THE NEXT PAGE ****	

DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE						
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		HBCI5B1 21						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CTK OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	WIRE	WIRE	WIRE	WIRE										
00938	J1136	55		J1131	50			168	9			HBCI5B1	03			RR1	F3					
00939	J1131	50		J1131	31			168	9			HBCI06V	04	HBCI5B1	01	1	R05	B6		T14		
00940	J1131	31		J1131	73			168	9			HBCI5B1	05	HBHB16V1	01	1	R05	A6				
00941	J1131	73		J1111	73			168	9			HBCI5B1	06	HBKB16V1	01	1	R05	C6				
00942	J1111	73		J1111	53			168	9			HBCI5B1	07	HBMYA6V1	01	1	R05	C6				
00943	J1111	53		J1108	19			168	9			HBCI5B1	08	HBT216V1	01	1	R05	B6				
00944	J1108	19						168	9			HBCI5B1	09	HBWA22T	01	1	DBC	B3		09B		
03807	J1134	80		J1147	20			168	9			HBCKBA	01	HBCKBA	00	1	TQ2	F4		39A		803
00599	J1147	20						168	9			HBCKBA	02				FTH					803
00945	J1104	04		J1104	06			168	9			HBCK1A	01	HBT180V	01	1	THI	A3		02A		
00946	J1104	06		J1104	05			168	9			HBCK1A	02	HBT1A0V	01	1	THI	A2		05A		
00947	J1104	05		J1102	19			168	9			HBCK1A	03	HBT1C0V	01	1	THI	A4		03B		
03142	J1102	19						168	9			HBCK1A	04				OSC					
03144	J1102	21		J1105	30			168	9			HBCK10	00				OSC					
00948	J1105	30		J1105	42			168	9			HBCK10	01	HBT5KN	01	1	TDD	FN		15A		
00949	J1105	42		J1130	42			168	9			HBCK10	02	HBT6KN	01	1	TDD	EN		20A		
00950	J1130	42						168	9			HBCK10	03	HBT7KN	01	1	TDD	EN		20A		
03770	J1116	63		J1117	34			168	9			HBCK10V	01	HBCK10V	00	1	THI	E2		30A		A01
00799	J1117	34						168	9			HBCK10V	02	HBBP1A	01	1	TQ2	C2		16A		A01
00951	J1113	77		J1109	09			168	9			HBCK20	01	HBCS2A	01	1	TQ2	F1		38B		
00952	J1109	09		J1102	25			168	9			HBCK20	02	HBTf8A	01	1	TT3	A3		04B		
03148	J1102	25						168	9			HBCK20	03				OSC					
03769	J1116	60		J1117	29			168	9			HBCK20V	01	HBCK20V	00	1	THI	E3		28A		A01
00800	J1117	29						168	9			HBCK20V	02	HBBP2A	01	1	TQ2	C3		14B		A01
03767	J1116	56		J1117	35			168	9			HBCK30V	01	HBCK30V	00	1	THI	E4		28B		A01
00821	J1117	35						168	9			HBCK30V	02	HBBP3A	01	1	TQ2	C4		17B		A01
03160	J1102	37		J1133	17			168	9			HBCK4A	01				OSC	4C				C02
00884	J1133	17						168	9			HBCK4A	02	HBT4C0V	01	1	THI	B4		09B		C02
03149	J1102	26		J1102	33			168	9			HBCK40	01				OSC					
03156	J1102	33						168	9			HBCK40	02				OSC	4				
02874	J1117	43		J1116	57			168	9			HBCK40V	01	HBNBCA	01	2	TQ2	D3		23B		A01
03768	J1116	57						168	9			HBCK40V	02	HBCK40V	00	1	THI	E5		30B		A01
03817	J1141	10		J1142	61			168	9			HBCK50V	01	HBCK50V	00	1	THI	A6		06B		B02
02982	J1142	61						168	9			HBCK50V	02	HBPCAA	01	2	TQ2	E4		32B		B02
03818	J1141	18		J1142	13			168	9			HBCK60V	01	HBCK60V	00	1	THI	B3		09A		B02
02299	J1142	13						168	9			HBCK60V	02	HBCK60V	01	2	TQ2	A4		06B		B02
01664	J1127	80		J1134	76			168	9			HBCK70V	01	HBCK70V	00	1	THI	F1		38B		B03
								****	SIGNAL			HBCK70V		IS ON THE			NEXT PAGE		****			

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV		INDEX			
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		F 09-01-82		HBCK70V 22			
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	GROUP	CODE	COLOR										IDENT
03002		J1134	76															B03	
03826		J1142	63		J1147	50		168	9		HBCPAA	01	HBCPAA	00	1	TQ2	E4	338	B02
03624		J1147	50					168	9		HBCPAA	02				FTH			B02
01261		J1142	15		J1147	46		168	9		HBCP0A	01	HBCP0A	00	1	TQ2	A4	078	B02
03620		J1147	46					168	9		HBCP0A	02				FTH			B02
00953		J1147	24		J1117	06		168	9		HBCP1A	01				FTH			
00954		J1117	06		J1113	78		168	9		HBCP1A	02	HBCP1A	00	1	TQ2	A1	05A	(TDD NEG CP)
00955		J1113	78					168	9		HBCP1A	03	HBLDC0	01	2	TQ2	F4	38A	
00956		J1147	25		J1117	01		168	9		HBCP2A	01				FTH			
00957		J1117	01					168	9		HBCP2A	02	HBCP2A	00	1	TQ2	A2	028	(TJK POS CP)
00958		J1147	26		J1117	09		168	9		HBCP3A	01				FTH			
00959		J1117	09					168	9		HBCP3A	02	HBCP3A	00	1	TQ2	A3	048	(SR NEG CP)
00960		J1147	27		J1117	15		168	9		HBCP4A	01				FTH			
00961		J1117	15					168	9		HBCP4A	02	HBCP4A	00	1	TQ2	A4	078	(652 POS CP)
00962		J1147	29		J1117	22		168	9		HBCP5A	01				FTH			
00963		J1117	22					168	9		HBCP5A	02	HBCP5A	00	1	TQ2	B1	12A	(MEM POS CP)
00964		J1147	30		J1117	14		168	9		HBCP6A	01				FTH			
00965		J1117	14					168	9		HBCP6A	02	HBCP6A	00	1	TQ2	B2	09A	(MEM/606 POS CP)
00966		J1147	35		J1117	21		168	9		HBCP7A	01				FTH			
00967		J1117	21					168	9		HBCP7A	02	HBCP7A	00	1	TQ2	B3	10B	(606 POS CP)
00968		J1147	36		J1117	27		168	9		HBCP8A	01				FTH			
00969		J1117	27					168	9		HBCP8A	02	HBCP8A	00	1	TQ2	B4	138	
00970		J1147	37		J1117	38		168	9		HBCP9A	01				FTH			
00971		J1117	38					168	9		HBCP9A	02	HBCP9A	00	1	TQ2	C1	18A	(602 NEG CP)
01327		J1128	40		J1128	64		168	9		HBCR1P	00	HBJBBA	01	1	TQ2	C1	19A	C01
01280		J1128	64		J1140	21		168	9		HBCR1P	01	HBJBCA	01	2	TQ2	E2	30A	C01
00977		J1140	21					168	9		HBCR1P	02	HBCR1P	00	1	TDD	DP	10B	
00979		J1126	11		J1130	18		168	9		HBCR1Q	02	HBCSSA	01	2	TT3	A3	05B	
00980		J1130	18		J1140	19		168	9		HBCR1Q	03	HBCR2I	01	1	TDD	DI	10A	
00981		J1140	19					168	9		HBCR1Q	04	HBCR1Q	00	1	TDD	DQ	09B	
00982		J1142	71		J1130	21		168	9		HBCR2P	01	HBS8BA	01	1	TQ2	F2	36A	
00983		J1130	21		J1126	13		168	9		HBCR2P	02	HBCR2P	00	1	TDD	DP	108	
00984		J1126	13					168	9		HBCR2P	03	HBCSSA	01	3	TT3	A3	068	C02
00986		J1135	68		J1130	19		168	9		HBCR2Q	02	HBSAJA	01	2	TT3	E1	32A	
00987		J1130	19		J1105	48		168	9		HBCR2Q	03	HBCR2Q	00	1	TDD	DQ	098	
								****		SIGNAL	HBCR2Q		IS ON THE			NEXT PAGE	****		

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WL10281452		CARD CAGE WIRED LH MTS												10281452		F		HBCR2Q					
FILE IDENT												TSQ3MISL		DATE		PAGE							
														09-01-82		23							
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	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT	SPEC INST. VALUE												
00988		J1105	48					168	9				HBCR2Q	04	HBCCTI	01	1	T00	HI		22A		
00989		J1132	40		J1125	37		168	9				HBCSCO	01	HBCTSA	01	7	TS8	C1		19A		
00990		J1125	37		J1115	51		168	9				HBCSCO	02	HBCTD2U	01	1	DBC	C2		17B		
00991		J1115	51		J1113	63		168	9				HBCSCO	03	HBCTE2U	01	1	DBC	D2		25B		
00992		J1113	63					168	9				HBCSCO	04	HBCSCO	00	1	TQ2	E4		33B		
00993		J1135	78		J1126	55		168	9				HBCSMR	01	HBCSMS	01	3	TT3	E3		38A		
00994		J1126	55					168	9				HBCSMR	02	HBCSMR	00	1	TT3	E2		29B		
00995		J1135	80		J1128	70		168	9				HBCSMS	01	HBCSMS	00	1	TT3	F3		39A		
00996		J1128	70		J1126	53		168	9				HBCSMS	02	HBCASA	01	2	TQ2	E1		33A		
00997		J1126	53					168	9				HBCSMS	03	HBCSMR	01	1	TT3	E2		28B		
00998		J1135	76		J1126	15		168	9				HBCSSA	01	HBCSMS	01	2	TT3	F3		37A		
00999		J1126	15					168	9				HBCSSA	02	HBCSSA	00	1	TT3	A3		07B		SELF TEST START P
01000		J1137	57		J1138	17		168	9				HBCSTD6	01	HBCSTD6	00	1	TLD	E3		30B		SELF TEST COMP
01001		J1138	17		J1138	05		168	9				HBCSTD6	02				DR1	B1				
01002		J1138	05		J1145	65		168	9				HBCSTD6	03				DR1	A1				A01
03588		J1145	65					168	9				HBCSTD6	04				EXT					A01
01003		J1128	55		J1126	64		168	9				HBCSTR	01	HBCSTS	01	2	TQ2	E3		29B		
01004		J1126	64					168	9				HBCSTR	02	HBCSTR	00	1	TT3	E1		30A		
01006		J1137	53		J1128	57		168	9				HBCSTS	02	HBCSTD6	01	1	TLD	E3		28B		
01007		J1128	57		J1126	66		168	9				HBCSTS	03	HBCSTS	00	1	TQ2	E3		30B		
01008		J1126	66					168	9				HBCSTS	04	HBCSTR	01	1	TT3	E1		31A		
02811		J1125	78		J1113	75		168	9				HBCS2A	005	HBCG84U	01	1	DBC	E4		38A		E03
01009		J1113	75		J1103	61		168	9				HBCS2A	01	HBCS2A	00	1	TQ2	F1		37B		
01010		J1103	61		J1103	55		168	9				HBCS2A	02	HBCG20	01	2	TQ2	E4		32B		
01011		J1103	55		J1106	08		168	9				HBCS2A	03	HBCGF0	01	2	TQ2	E3		29B		C02
02766		J1106	08					168	9				HBCS2A	04	HBTDEA	01	2	TD4	A1		06A		
01012		J1133	04		J1132	30		168	9				HBCTD1U	01	HBCT1AV	01	1	THI	A3		02A		
01013		J1132	30		J1125	38		168	9				HBCTD1U	02	HBCTSA	01	1	TS8	C1		15A		
01014		J1125	38					168	9				HBCTD1U	03	HBCTD1U	00	1	DBC	C1		18A		
01015		J1133	05		J1125	40		168	9				HBCTD2U	01	HBCT2AV	01	1	THI	A4		03B		B01
01017		J1125	40					168	9				HBCTD2U	03	HBCTD2U	00	1	DBC	C2		19A		
01018		J1133	09		J1132	31		168	9				HBCTD3U	01	HBCT3AV	01	1	THI	A5		05B		
01019		J1132	31		J1125	42		168	9				HBCTD3U	02	HBCTSA	01	2	TS8	C1		15B		
01020		J1125	42					168	9				HBCTD3U	03	HBCTD3U	00	1	DBC	C3		20A		
01021		J1133	15		J1132	38		168	9				HBCTD4U	01	HBCT4AV	01	1	THI	A6		07B		
01022		J1132	38		J1125	46		168	9				HBCTD4U	02	HBCTSA	01	6	TS8	C1		18A		
01023		J1125	46					168	9				HBCTD4U	03	HBCTD4U	00	1	DBC	C4		21A		
													****	SIGNAL	(HBCTD5U			IS ON THE	NEXT PAGE	****			

DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		HBCTD5U 24					
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI-GROUP	CODE	COLOR	IDENT											
01024	J1125	36		J1115	61				168	9			HBCTD5U	01	HBCTD5U	00	1	DBC	C5		17A		
01025	J1115	61							168	9			HBCTD5U	02	HBCTE3U	01	1	DBC	D3		31B		
01026	J1133	23		J1132	37				168	9			HBCTE1U	01	HBCT5AV	01	1	THI	B2		12A		
01027	J1132	37		J1115	54				168	9			HBCTE1U	02	HBCTSA	01	5	TS8	C1		18B		
01028	J1115	54							168	9			HBCTE1U	03	HBCTE1U	00	1	DBC	D1		26A		
01029	J1133	20		J1115	56				168	9			HBCTE2U	01	HBCT6AV	01	1	THI	B3		10A		
01030	J1115	56							168	9			HBCTE2U	02	HBCTE2U	00	1	DBC	D2		28B		
01344	J1142	37		J1140	20				168	9			HBCTRAV	0A	HBF8JA	01	2	TQ2	C4		18B	C02	
00883	J1140	20		J1130	20				168	9			HBCTRAV	01	HBCR1P	01	1	TDD	DP		11A	C02	
00885	J1130	20		J1126	62				168	9			HBCTRAV	0F	HBCR2P	01	1	TDD	DP		11A	C02	
01282	J1126	62		J1127	40				168	9			HBCTRAV	00	HBCSMR	01	3	TT3	E2		29A	C01	
01031	J1127	40		J1125	35				168	9			HBCTRAV	01	HBCTRAV	00	1	THI	C1		19A		
01032	J1125	35		J1115	49				168	9			HBCTRAV	02	HBCTD5U	01	1	DBC	C5		16B		
01033	J1115	49							168	9			HBCTRAV	03	HBCTE5U	01	1	DBC	D5		24B		
01997	J1134	77		J1132	35				168	9			HBCTSA	00	HBS8C0	01	1	TQ2	F1		38B	C01	
01036	J1132	35		J1128	53				168	9			HBCTSA	01	HBCTSA	00	1	TS8	C1		17B		
01037	J1128	53							168	9			HBCTSA	02	HBCSTS	01	1	TQ2	E3		28B	C01	
01039	J1137	26		J1133	03				168	9			HBCTIAV	01	HBC01D	01	2	TLD	B1		14A		
01040	J1133	03							168	9			HBCTIAV	02	HBCTIAV	00	1	THI	A3		03A		
01041	J1137	20		J1133	01				168	9			HBCT2AV	01	HBC02D	01	2	TLD	B2		11A		
01042	J1133	01		J1132	36				168	9			HBCT2AV	02	HBCT2AV	00	1	THI	A4		02B	B01	
01016	J1132	36							168	9			HBCT2AV	03	HBCTSA	01	4	TS8	C1		17A	B01	
01043	J1137	19		J1133	07				168	9			HBCT3AV	01	HBC04D	01	2	TLD	B3		09B		
01044	J1133	07							168	9			HBCT3AV	02	HBCT3AV	00	1	THI	A5		04B		
01045	J1137	25		J1133	10				168	9			HBCT4AV	01	HBC08D	01	2	TLD	B4		12B		
01046	J1133	10							168	9			HBCT4AV	02	HBCT4AV	00	1	THI	A6		06B		
01047	J1137	31		J1133	25				168	9			HBCT5AV	01	HBC16D	01	2	TLD	C3		15B		
01048	J1133	25							168	9			HBCT5AV	02	HBCT5AV	00	1	THI	B2		11A		
01049	J1133	18		J1132	34				168	9			HBCT6AV	01	HBCT6AV	00	1	THI	B3		09A		
01050	J1132	34		J1137	37				168	9			HBCT6AV	02	HBCTSA	01	3	TS8	C1		16A		
01051	J1137	37							168	9			HBCT6AV	03	HBC32D	01	2	TLD	C4		18B		
01052	J1105	50		J1104	56				168	9			HBCVRAV	01	HBCCTP	01	1	TDD	HP		23A		
01053	J1104	56							168	9			HBCVRAV	02	HBCVRAV	00	1	THI	E4		28B		
01054	J1104	55		J1103	75				168	9			HBCVRO	01	HBCVRAV	01	1	THI	E4		29B		
01055	J1103	75							168	9			HBCVRO	02	HBCVRO	00	1	TQ2	F1		37B		
03824	J1141	78		J1135	66				168	9			HBCWA0V	01	HBCWA0V	00	1	THI	F5		36A	C02	
02064	J1135	66							168	9			HBCWA0V	02	HBSAJA	01	1	TT3	E1		31A	C02	

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DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV		INDEX			
WL10281452		CARD CAGE WIRED LH MTS												10281452		F		HBCWA0V			
FILE IDENT												TSQ3MTSL		DATE		PAGE					
TSQ3MTSL												09-01-82		25							
RECORD NUMBER	FROM			TO			WIRE					SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PIN	CONNECTOR	PIN	DI	DI	DI	DI	DI										
03715	J1110	75	J1109	68								HBCWD0E	01	HBCWD0E	00	1	TS4	F1	37B	A01	
00755	J1109	68	J1109	45								HBCWD0E	02	HBLADA	01	2	TT3	E1	32A	A01	
01705	J1109	45	J1109	41								HBCWD0E	03	HBLHLA	01	1	TT3	D3	24B	A01	
01706	J1109	41	J1105	54								HBCWD0E	04	HBLAMA	01	1	TT3	D2	22B	A01	
00766	J1105	54										HBCWD0E	05	HBLAKI	01	1	TDD	G1	25A	A01	
03717	J1110	79	J1109	46								HBCWD1E	01	HBCWD1E	00	1	TS4	F2	39B	A01	
00788	J1109	46	J1112	29								HBCWD1E	02	HBLAMA	01	2	TT3	D2	21A	A01	
00787	J1112	29										HBCWD1E	03	HBLAJOV	01	1	THI	C4	15B	A01	
03718	J1110	80	J1125	20								HBCWD2E	01	HBCWD2E	00	1	TS4	F3	39A	A01	
02954	J1125	20										HBCWD2E	02	HBCWMOT	01	1	DBC	B1	10A	A01	
03716	J1110	76	J1125	22								HBCWD3E	01	HBCWD3E	00	1	TS4	F4	37A	A01	
02860	J1125	22										HBCWD3E	02	HBCWM1T	01	1	DBC	B2	11A	A01	
02843	J1116	61	J1125	26								HBCWM1T	01	HBCK10V	01	1	THI	E2	31A	A01	
03789	J1125	26										HBCWM1T	02	HBCWM1T	00	1	DBC	B2	13A	A01	
02842	J1116	62	J1125	27								HBCWM2T	01	HBCK20V	01	1	THI	E3	29A	A01	
03790	J1125	27										HBCWM2T	02	HBCWM2T	00	1	DBC	B3	14A	A01	
02942	J1116	55	J1125	30								HBCWM3T	01	HBCK30V	01	1	THI	E4	29B	A01	
03792	J1125	30										HBCWM3T	02	HBCWM3T	00	1	DBC	B4	15A	A01	
02943	J1116	59	J1125	33								HBCWM4T	01	HBCK40V	01	1	THI	E5	31B	A01	
03794	J1125	33										HBCWM4T	02	HBCWM4T	00	1	DBC	B5	16A	A01	
03786	J1125	23	J1141	15								HBCWM5T	01	HBCWM5T	00	1	DBC	B6	11B	B02	
03024	J1141	15										HBCWM5T	02	HBCK50V	01	1	THI	A6	07B	B02	
03788	J1125	25	J1141	20								HBCWM6T	01	HBCWM6T	00	1	DBC	B7	12B	B02	
03023	J1141	20										HBCWM6T	02	HBCK60V	01	1	THI	B3	10A	B02	
03791	J1125	29	J1127	79								HBCWM7T	01	HBCWM7T	00	1	DBC	B8	13B	B03	
01666	J1127	79										HBCWM7T	02	HBCK70V	01	1	THI	F1	39B	B03	
01056	J1137	22									J	HBC01D	01	HBC01D	00	1	TLD	B1	12A	HBC10B1 BUSS	
01057	J1137	14									J	HBC02D	01	HBC02D	00	1	TLD	B2	09A	HBC11B1 BUSS	
01058	J1137	21									J	HBC04D	01	HBC04D	00	1	TLD	B3	10B	HBC12B1 BUSS	
01059	J1137	27									J	HBC08D	01	HBC08D	00	1	TLD	B4	13B	HBC13B1 BUSS	
01060	J1124	15									J	HBC1A1V	01	HBC1A1V	00	1	RO5	A1	T01	HBCA1B1 BUSS	
01061	J1124	18									J	HBC1A2V	01	HBC1A2V	00	1	RO5	A2	T02	HBCA2B1 BUSS	

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE								
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		H8C1A2V 26								
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
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01062		J1124	20									J	H8C1A3V	01	H8C1A3V	00	1	RO5	A3		T03	H8CA3B1	BUSS	
01063		J1124	22									J	H8C1A4V	01	H8C1A4V	00	1	RO5	A4		T04	H8CA4B1	BUSS	
01064		J1124	24									J	H8C1A5V	01	H8C1A5V	00	1	RO5	A5		T05	H8CA5B1	BUSS	
01065		J1124	26									J	H8C1A6V	01	H8C1A6V	00	1	RO5	A6		T06	H8CA6B1	BUSS	
01066		J1124	29									J	H8C1A7V	01	H8C1A7V	00	1	RO5	A7		T07	H8CA7B1	BUSS	
01067		J1124	34									J	H8C1A8V	01	H8C1A8V	00	1	RO5	A8		T08	H8CA8B1	BUSS	
01068		J1121	15									J	H8C1B1V	01	H8C1B1V	00	1	RO5	A1		T01	H8CB1B1	BUSS	
01069		J1121	18									J	H8C1B2V	01	H8C1B2V	00	1	RO5	A2		T02	H8CB2B1	BUSS	
01070		J1121	20									J	H8C1B3V	01	H8C1B3V	00	1	RO5	A3		T03	H8CB3B1	BUSS	
01071		J1121	22									J	H8C1B4V	01	H8C1B4V	00	1	RO5	A4		T04	H8CB4B1	BUSS	
01072		J1121	24									J	H8C1B5V	01	H8C1B5V	00	1	RO5	A5		T05	H8CB5B1	BUSS	
01073		J1121	26									J	H8C1B6V	01	H8C1B6V	00	1	RO5	A6		T06	H8CB6B1	BUSS	
01074		J1121	29									J	H8C1B7V	01	H8C1B7V	00	1	RO5	A7		T07	H8CB7B1	BUSS	
01075		J1121	34									J	H8C1B8V	01	H8C1B8V	00	1	RO5	A8		T08	H8CB8B1	BUSS	
01076		J1137	33									J	H8C16D	01	H8C16D	00	1	TLD	C3		168	H8C16B1	BUSS	
01077		J1124	38									J	H8C2A1V	01	H8C2A1V	00	1	RO5	B1		T09	H8CA1B1	BUSS	
01078		J1124	40									J	H8C2A2V	01	H8C2A2V	00	1	RO5	B2		T10	H8CA2B1	BUSS	
01079		J1124	42									J	H8C2A3V	01	H8C2A3V	00	1	RO5	B3		T11	H8CA3B1	BUSS	
01080		J1124	46									J	H8C2A4V	01	H8C2A4V	00	1	RO5	B4		T12	H8CA4B1	BUSS	
01081		J1124	48									J	H8C2A5V	01	H8C2A5V	00	1	RO5	B5		T13	H8CA5B1	BUSS	
01082		J1124	50									J	H8C2A6V	01	H8C2A6V	00	1	RO5	B6		T14	H8CA6B1	BUSS	
01083		J1124	52									J	H8C2A7V	01	H8C2A7V	00	1	RO5	B7		T15	H8CA7B1	BUSS	
01084		J1124	54									J	H8C2A8V	01	H8C2A8V	00	1	RO5	B8		T16	H8CA8B1	BUSS	
01085		J1121	38									J	H8C2B1V	01	H8C2B1V	00	1	RO5	B1		T09	H8CB1B1	BUSS	
													****	SIGNAL	H8C2B2V							IS ON THE	NEXT PAGE	****

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DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.			REV F		INDEX		HBC4A2V				
WL10281452		CARD CAGE WIRED LH MTS												10281452			09-01-82		PAGE		28				
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	PREFIX	CONNECTOR	PIN	U/N	PREFIX	CONNECTOR	PIN	U/N	MULTI GROUP	CODE	COLOR	IDENT													
01111	J1123	18										J	HBC4A2V	01	HBC4A2V	00	1	RO5	A2		T02	HBCA2B1	BUSS		
01112	J1123	20										J	HBC4A3V	01	HBC4A3V	00	1	RO5	A3		T03	HBCA3B1	BUSS		
01113	J1123	22										J	HBC4A4V	01	HBC4A4V	00	1	RO5	A4		T04	HBCA4B1	BUSS		
01114	J1123	24										J	HBC4A5V	01	HBC4A5V	00	1	RO5	A5		T05	HBCA5B1	BUSS		
01115	J1123	26										J	HBC4A6V	01	HBC4A6V	00	1	RO5	A6		T06	HBCA6B1	BUSS		
01116	J1123	29										J	HBC4A7V	01	HBC4A7V	00	1	RO5	A7		T07	HBCA7B1	BUSS		
01117	J1123	34										J	HBC4A8V	01	HBC4A8V	00	1	RO5	A8		T08	HBCA8B1	BUSS		
01118	J1120	15										J	HBC4B1V	01	HBC4B1V	00	1	RO5	A1		T01	HBCB1B1	BUSS		
01119	J1120	18										J	HBC4B2V	01	HBC4B2V	00	1	RO5	A2		T02	HBCB2B1	BUSS		
01120	J1120	20										J	HBC4B3V	01	HBC4B3V	00	1	RO5	A3		T03	HBCB3B1	BUSS		
01121	J1120	22										J	HBC4B4V	01	HBC4B4V	00	1	RO5	A4		T04	HBCB4B1	BUSS		
01122	J1120	24										J	HBC4B5V	01	HBC4B5V	00	1	RO5	A5		T05	HBCB5B1	BUSS		
01123	J1120	26										J	HBC4B6V	01	HBC4B6V	00	1	RO5	A6		T06	HBCB6B1	BUSS		
01124	J1120	29										J	HBC4B7V	01	HBC4B7V	00	1	RO5	A7		T07	HBCB7B1	BUSS		
01125	J1120	34										J	HBC4B8V	01	HBC4B8V	00	1	RO5	A8		T08	HBCB8B1	BUSS		
01126	J1123	38										J	HBC5A1V	01	HBC5A1V	00	1	RO5	B1		T09	HBCA1B1	BUSS		
01127	J1123	40										J	HBC5A2V	01	HBC5A2V	00	1	RO5	B2		T10	HBCA2B1	BUSS		
01128	J1123	42										J	HBC5A3V	01	HBC5A3V	00	1	RO5	B3		T11	HBCA3B1	BUSS		
01129	J1123	46										J	HBC5A4V	01	HBC5A4V	00	1	RO5	B4		T12	HBCA4B1	BUSS		
01130	J1123	48										J	HBC5A5V	01	HBC5A5V	00	1	RO5	B5		T13	HBCA5B1	BUSS		
01131	J1123	50										J	HBC5A6V	01	HBC5A6V	00	1	RO5	B6		T14	HBCA6B1	BUSS		
01132	J1123	52										J	HBC5A7V	01	HBC5A7V	00	1	RO5	B7		T15	HBCA7B1	BUSS		
01133	J1123	54										J	HBC5A8V	01	HBC5A8V	00	1	RO5	B8		T16	HBCA8B1	BUSS		
01134	J1120	38										J	HBC5B1V	01	HBC5B1V	00	1	RO5	B1		T09	HBCB1B1	BUSS		
01135	J1120	40										J	HBC5B2V	01	HBC5B2V	00	1	RO5	B2		T10	HBCB2B1	BUSS		
													****	SIGNAL	HBC5B3V							IS ON THE	NEXT PAGE	****	

DRAWING NUMBER UNIT ASSEMBLY NAME			STRING			UNIT ASSEMBLY NO. FILE IDENT			REV DATE			INDEX PAGE		
WL10281452 CARD CAGE WIRED LH MTS						10281452 TSQ3MTSL			F 09-01-82			HBC583V 29		
RECORD NUMBER	FROM	TO	WIRE	SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GRUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN											
01136	J1120	42		J HBC583V	01	HBC583V	00	1	R05	B3		T11	HBCB3B1 BUSS	
01137	J1120	46		J HBC584V	01	HBC584V	00	1	R05	B4		T12	HBCB4B1 BUSS	
01138	J1120	48		J HBC585V	01	HBC585V	00	1	R05	B5		T13	HBCB5B1 BUSS	
01139	J1120	50		J HBC586V	01	HBC586V	00	1	R05	B6		T14	HBCB6B1 BUSS	
01140	J1120	52		J HBC587V	01	HBC587V	00	1	R05	B7		T15	HBCB7B1 BUSS	
01141	J1120	54		J HBC588V	01	HBC588V	00	1	R05	B8		T16	HBCB8B1 BUSS	
01142	J1123	62		J HBC6A1V	01	HBC6A1V	00	1	R05	C1		T17	HBCA1B1 BUSS	
01143	J1123	64		J HBC6A2V	01	HBC6A2V	00	1	R05	C2		T18	HBCA2B1 BUSS	
01144	J1123	66		J HBC6A3V	01	HBC6A3V	00	1	R05	C3		T19	HBCA3B1 BUSS	
01145	J1123	68		J HBC6A4V	01	HBC6A4V	00	1	R05	C4		T21	HBCA4B1 BUSS	
01146	J1123	70		J HBC6A5V	01	HBC6A5V	00	1	R05	C5		T20	HBCA5B1 BUSS	
01147	J1123	72		J HBC6A6V	01	HBC6A6V	00	1	R05	C6		T22	HBCA6B1 BUSS	
01148	J1123	74		J HBC6A7V	01	HBC6A7V	00	1	R05	C7		T23	HBCA7B1 BUSS	
01149	J1123	76		J HBC6A8V	01	HBC6A8V	00	1	R05	C8		T24	HBCA8B1 BUSS	
01150	J1120	62		J HBC6B1V	01	HBC6B1V	00	1	R05	C1		T17	HBCB1B1 BUSS	
01151	J1120	64		J HBC6B2V	01	HBC6B2V	00	1	R05	C2		T18	HBCB2B1 BUSS	
01152	J1120	66		J HBC6B3V	01	HBC6B3V	00	1	R05	C3		T19	HBCB3B1 BUSS	
01153	J1120	68		J HBC6B4V	01	HBC6B4V	00	1	R05	C4		T21	HBCB4B1 BUSS	
01154	J1120	70		J HBC6B5V	01	HBC6B5V	00	1	R05	C5		T20	HBCB5B1 BUSS	
01155	J1120	72		J HBC6B6V	01	HBC6B6V	00	1	R05	C6		T22	HBCB6B1 BUSS	
01156	J1120	74		J HBC6B7V	01	HBC6B7V	00	1	R05	C7		T23	HBCB7B1 BUSS	
01157	J1120	76		J HBC6B8V	01	HBC6B8V	00	1	R05	C8		T24	HBCB8B1 BUSS	
01158	J1122	15		J HBC7A1V	01	HBC7A1V	00	1	R05	A1		T01	HBCA1B1 BUSS	
01159	J1122	18		J HBC7A2V	01	HBC7A2V	00	1	R05	A2		T02	HBCA2B1 BUSS	
01160	J1122	20		J HBC7A3V	01	HBC7A3V	00	1	R05	A3		T03	HBCA3B1 BUSS	
				****	SIGNAL	(HBC7A4V)		IS ON THE					NEXT PAGE	****

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

STRING

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

REV F
 DATE 09-01-82

INDEX PAGE HBC7A4V
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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACOR	CMT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO		
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01161	J1122	22										J	HBC7A4V	01	HBC7A4V	00	1	R05	A4		T04	HBCA4B1	BUSS		
01162	J1122	24										J	HBC7A5V	01	HBC7A5V	00	1	R05	A5			T05	HBCA5B1	BUSS	
01163	J1122	26										J	HBC7A6V	01	HBC7A6V	00	1	R05	A6			T06	HBCA6B1	BUSS	
01164	J1122	29										J	HBC7A7V	01	HBC7A7V	00	1	R05	A7			T07	HBCA7B1	BUSS	
01165	J1122	34										J	HBC7A8V	01	HBC7A8V	00	1	R05	A8			T08	HBCA8B1	BUSS	
01166	J1119	15										J	HBC7B1V	01	HBC7B1V	00	1	R05	A1			T01	HBCB1B1	BUSS	
01167	J1119	18										J	HBC7B2V	01	HBC7B2V	00	1	R05	A2			T02	HBCB2B1	BUSS	
01168	J1119	20										J	HBC7B3V	01	HBC7B3V	00	1	R05	A3			T03	HBCB3B1	BUSS	
01169	J1119	22										J	HBC7B4V	01	HBC7B4V	00	1	R05	A4			T04	HBCB4B1	BUSS	
01170	J1119	24										J	HBC7B5V	01	HBC7B5V	00	1	R05	A5			T05	HBCB5B1	BUSS	
01171	J1119	26										J	HBC7B6V	01	HBC7B6V	00	1	R05	A6			T06	HBCB6B1	BUSS	
01172	J1119	29										J	HBC7B7V	01	HBC7B7V	00	1	R05	A7			T07	HBCB7B1	BUSS	
01173	J1119	34										J	HBC7B8V	01	HBC7B8V	00	1	R05	A8			T08	HBCB8B1	BUSS	
01174	J1122	38										J	HBC8A1V	01	HBC8A1V	00	1	R05	B1			T09	HBCA1B1	BUSS	
01175	J1122	40										J	HBC8A2V	01	HBC8A2V	00	1	R05	B2			T10	HBCA2B1	BUSS	
01176	J1122	42										J	HBC8A3V	01	HBC8A3V	00	1	R05	B3			T11	HBCA3B1	BUSS	
01177	J1122	46										J	HBC8A4V	01	HBC8A4V	00	1	R05	B4			T12	HBCA4B1	BUSS	
01178	J1122	48										J	HBC8A5V	01	HBC8A5V	00	1	R05	B5			T13	HBCA5B1	BUSS	
01179	J1122	50										J	HBC8A6V	01	HBC8A6V	00	1	R05	B6			T14	HBCA6B1	BUSS	
01180	J1122	52										J	HBC8A7V	01	HBC8A7V	00	1	R05	B7			T15	HBCA7B1	BUSS	
01181	J1122	54										J	HBC8A8V	01	HBC8A8V	00	1	R05	B8			T16	HBCA8B1	BUSS	
01182	J1119	38										J	HBC8B1V	01	HBC8B1V	00	1	R05	B1			T09	HBCB1B1	BUSS	
01183	J1119	40										J	HBC8B2V	01	HBC8B2V	00	1	R05	B2			T10	HBCB2B1	BUSS	
01184	J1119	42										J	HBC8B3V	01	HBC8B3V	00	1	R05	B3			T11	HBCB3B1	BUSS	
01185	J1119	46										J	HBC8B4V	01	HBC8B4V	00	1	R05	B4			T12	HBCB4B1	BUSS	
													****	SIGNAL	HBC8B5V								IS ON THE	NEXT PAGE	****

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DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV		INDEX						
WL10281452		CARD CAGE WIRED LH MTS												10281452		F		HBC885V						
FILE IDENT												TSQ3MTSL		DATE		PAGE								
														09-01-82		31								
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	NO	PREFIX	CONNECTOR	PIN	NO	MULTI GROUP	CODE	COLOR	IDENT												SPEC INST
01186	J1119	48										J	HBC885V	01	HBC885V	00	1	R05	B5		T13	HBC85B1	BUSS	
01187	J1119	50										J	HBC886V	01	HBC886V	00	1	R05	B6		T14	HBC86B1	BUSS	
01188	J1119	52										J	HBC887V	01	HBC887V	00	1	R05	B7		T15	HBC87B1	BUSS	
01189	J1119	54										J	HBC888V	01	HBC888V	00	1	R05	B8		T16	HBC88B1	BUSS	
01190	J1122	62										J	HBC9A1V	01	HBC9A1V	00	1	R05	C1		T17	HBCA1B1	BUSS	
01191	J1122	64										J	HBC9A2V	01	HBC9A2V	00	1	R05	C2		T18	HBCA2B1	BUSS	
01192	J1122	66										J	HBC9A3V	01	HBC9A3V	00	1	R05	C3		T19	HBCA3B1	BUSS	
01193	J1122	68										J	HBC9A4V	01	HBC9A4V	00	1	R05	C4		T21	HBCA4B1	BUSS	
01194	J1122	70										J	HBC9A5V	01	HBC9A5V	00	1	R05	C5		T20	HBCA5B1	BUSS	
01195	J1122	72										J	HBC9A6V	01	HBC9A6V	00	1	R05	C6		T22	HBCA6B1	BUSS	
01196	J1122	74										J	HBC9A7V	01	HBC9A7V	00	1	R05	C7		T23	HBCA7B1	BUSS	
01197	J1122	76										J	HBC9A8V	01	HBC9A8V	00	1	R05	C8		T24	HBCA8B1	BUSS	
01198	J1119	62										J	HBC9B1V	01	HBC9B1V	00	1	R05	C1		T17	HBCB1B1	BUSS	
01199	J1119	64										J	HBC9B2V	01	HBC9B2V	00	1	R05	C2		T18	HBCB2B1	BUSS	
01200	J1119	66										J	HBC9B3V	01	HBC9B3V	00	1	R05	C3		T19	HBCB3B1	BUSS	
01201	J1119	68										J	HBC9B4V	01	HBC9B4V	00	1	R05	C4		T21	HBCB4B1	BUSS	
01202	J1119	70										J	HBC9B5V	01	HBC9B5V	00	1	R05	C5		T20	HBCB5B1	BUSS	
01203	J1119	72										J	HBC9B6V	01	HBC9B6V	00	1	R05	C6		T22	HBCB6B1	BUSS	
01204	J1119	74										J	HBC9B7V	01	HBC9B7V	00	1	R05	C7		T23	HBCB7B1	BUSS	
01205	J1119	76										J	HBC9B8V	01	HBC9B8V	00	1	R05	C8		T24	HBCB8B1	BUSS	
00858	J1104	60			J1106	73			16B	9			HBEVSAV	01	HBEVSAV	00	1	THI	E3		28A			C06
02789	J1106	73			J1107	03			16B	9			HBEVSAV	02	HBS85A	01	3	T04	F2		36B			C06
03206	J1107	03							16B	9			HBEVSAV	03	HBS81A	01	2	TT3	A2		02A			C06
01210	J1142	57			J1137	59			16B	9			HBEVSO	01	HBEVSO	00	1	TQ2	E3		30B			
01211	J1137	59			J1128	73			16B	9			HBEVSO	02	HBFVSD1	01	1	TLD	E4		31B			C06
02992	J1128	73			J1104	62			16B	9			HBEVSO	03	HBS28A	01	2	TQ2	F2		36B			C06
00859	J1104	62							16B	9			HBEVSO	04	HBEVSAV	01	1	THI	E3		29A			C06
01213	J1141	07			J1137	77			16B	9			HBFAAOV	01	HBFAAOV	00	1	THI	A5		04B		PICK PROBE RELAY	C02
									****		SIGNAL	(HBFAAOV		IS ON THE		NEXT PAGE	****							

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DRAWING NUMBER **WL10281452** UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS** STRING **STRING** UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBFAA0V**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **32**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEC NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	TO	PREFIX	CONNECTOR	PIN	TO	MULTI GROUP	CODE	COLOR	IDENT													
03003		J1137	77							168	9		HBFAA0V	02	HBFACD1	01	1	TLD	F1		38B		C02		
01214		J1141	09		J1135	07				168	9		HBFABA	01	HBFAA0V	01	1	THI	A5		05B				
01215		J1135	07							168	9		HBFABA	02	HBFABA	00	1	TT3	A2		03A				
03607		J1146	32		J1137	72				168	9		HBFABD1	00				EXT						B01	
03830		J1137	72		J1118	63				168	9		HBFABD1	01	HBFABD1	00	1	TLD	F2		34A		B01		
03831		J1118	63							168	9		HBFABD1	02				RR1	G2					B01	
03827		J1142	80		J1141	23				168	9		HBFACA	01	HBFACA	00	1	TQ2	F4		39A		B02		
03020		J1141	23							168	9		HBFACA	02	HBFACOV	01	1	THI	B2		12A		B02		
03605		J1146	16		J1137	75				168	9		HBFACD1	00				EXT						B01	
03828		J1137	75		J1118	61				168	9		HBFACD1	01	HBFACD1	00	1	TLD	F1		37B		B01		
03829		J1118	61							168	9		HBFACD1	02				RR1	G1					B01	
01948		J1137	40		J1137	70				168	9		HBFACR	0M	HBKAUD1	01	1	TLD	C1		19A		D01		
03005		J1137	70		J1137	08				168	9		HBFACR	00	HBJRCD6	01	2	TLD	E1		33A		B02		
01216		J1137	08		J1135	04				168	9		HBFACR	01	HBFADD1	01	1	TLD	A1		06A				
01217		J1135	04		J1134	10				168	9		HBFACR	02	HBFACR	00	1	TT3	A1		04A				
01218		J1134	10		J1126	34				168	9		HBFACR	03	HBFACS	01	2	TQ2	A1		07A		C01		
02912		J1126	34							168	9		HBFACR	04	HBWBCA	01	3	TT3	C2		16A		C01		
03040		J1142	76		J1135	06				168	9		HBFACS	00	HBFACA	01	1	TQ2	F4		37A		B02		
01219		J1135	06		J1134	06				168	9		HBFACS	01	HBFACR	01	1	TT3	A1		05A		C02		
01221		J1134	06		J1137	79				168	9		HBFACS	03	HBFACS	00	1	TQ2	A1		05A		B01		
02987		J1137	79		J1137	73				168	9		HBFACS	04	HBFACD1	01	2	TLD	F1		39B		B01		
02986		J1137	73		J1116	79				168	9		HBFACS	05	HBFABD1	01	2	TLD	F2		36B		C01		
02933		J1116	79							168	9		HBFACS	06	HBFAVAV	01	1	THI	F1		39B		C01		
01946		J1146	70		J1141	25				168	9		HBFACOV	01	HCDMMZ	03	7	EXT						B01	
03820		J1141	25							168	9		HBFACOV	02	HBFACOV	00	1	THI	B2		11A		B01		
01222		J1146	53		J1137	06				168	9		HBFADD1	01	HCDMMZ	03	3	EXT							
01223		J1137	06		J1136	07				168	9		HBFADD1	02	HBFADD1	00	1	TLD	A1		05A			PICK R/R	
01224		J1136	07							168	9		HBFADD1	03				RR1	A3						
01225		J1146	74		J1126	27				168	9		HBFAE0	01	HCDMMZ	04	4	EXT							B03
03797		J1126	27							168	9		HBFAE0	02	HBFAE0	00	1	TT3	B3		13B			B03	
01227		J1146	71		J1109	04				168	9		HBFAGA	01	HCDMMZ	04	1	EXT							B02
01230		J1109	04							168	9		HBFAGA	02	HBFAGA	00	1	TT3	A1		04A				
01231		J1141	24		J1109	08				168	9		HBFAHOV	01	HBFAHOV	00	1	THI	B1		13A				
01232		J1109	08							168	9		HBFAHOV	02	HBFAGA	01	2	TT3	A1		06A				
01233		J1112	48		J1110	08				168	9		HBFAIAV	01	HBFAIAV	00	1	THI	D3		21A				
01234		J1110	08							168	9		HBFAIAV	02	HBFA11E	01	2	TS4	A2		04A				
01235		J1142	24		J1134	21				168	9		HBFAJR	01	HBFAJS	01	1	TQ2	B1		13A				
										****		SIGNAL	HBFAJR		IS ON THE			NEXT PAGE		****					

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DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV		INDEX		HBF AJR			
W110281452		CARD CAGE WIRED LH MTS												10281452		F		PAGE		33			
FILE IDENT		DATE		TEST POINTS		SIGNAL DESCRIPTION		ECO NO															
TSQ3MTSL		09-01-82		AND/OR																			
RECORD NUMBER	FROM				TO				WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN		PREFIX	CONNECTOR	PIN		MULTI GROUP	CODE	COLOR												IDENT
01236	J1134	21		J1135	60				168	9		HBF AJR	02	HBF AJR	00	1	TQ2	B3		10B		802	
01450	J1135	60							168	9		HBF AJR	03	HBF AWO	01	2	TT3	E2		28A		802	
01237	J1146	56		J1142	22				168	9		HBF AJS	01	HCDMMZ	03	4	EXT						
01238	J1142	22		J1134	19				168	9		HBF AJS	02	HBF AJS	00	1	TQ2	B1		12A	IOC ERR #1 CKT		
01239	J1134	19							168	9		HBF AJS	03	HBF AJR	01	2	TQ2	B3		09B			
01240	J1142	18		J1134	27				168	9		HBF AKR	01	HBF AKS	01	1	TQ2	B2		10A			
01241	J1134	27		J1135	62				168	9		HBF AKR	02	HBF AKR	00	1	TQ2	B4		13B	IOC ERR #2 CKT	802	
01452	J1135	62							168	9		HBF AKR	03	HBF AWO	01	3	TT3	E2		29A		802	
01242	J1146	57		J1142	14				168	9		HBF AKS	01	HCDMMZ	03	5	EXT						
01243	J1142	14		J1134	23				168	9		HBF AKS	02	HBF AKS	00	1	TQ2	B2		09A			
01244	J1134	23							168	9		HBF AKS	03	HBF AKR	01	1	TQ2	B4		11B			
01245	J1142	26		J1126	07				168	9		HBF ALA	01	HBF AJS	01	2	TQ2	B1		14A			
01246	J1126	07							168	9		HBF ALA	02	HBF ALA	00	1	TT3	A2		03A			
01247	J1135	20		J1134	26				168	9		HBF AMR	01	HBF AMR	00	1	TT3	B1		11A			
01248	J1134	26		J1126	03				168	9		HBF AMR	02	HBF AMS	01	2	TQ2	B1		14A			
01249	J1126	03							168	9		HBF AMR	03	HBF ALA	01	2	TT3	A2		02A			
01250	J1135	22		J1134	22				168	9		HBF AMS	01	HBF AMR	01	1	TT3	B1		12A			
01251	J1134	22							168	9		HBF AMS	02	HBF AMS	00	1	TQ2	B1		12A			
01252	J1142	01		J1134	24				168	9		HBF ANA	01	HBF ANA	00	1	TQ2	A2		02B			
01253	J1134	24							168	9		HBF ANA	02	HBF AMS	01	1	TQ2	B1		13A			
01254	J1126	01		J1126	06				168	9		HBF APOV	01	HBF ALA	01	1	TT3	A2		02B			
01255	J1126	06		J1141	13				168	9		HBF APOV	02	HBF ASA	01	1	TT3	A1		05A			
01256	J1141	13		J1142	03				168	9		HBF APOV	03	HBF APOV	00	1	TH1	A1		06A			
01257	J1142	03		J1142	04				168	9		HBF APOV	04	HBF AUA	01	1	TQ2	A3		02A			
01258	J1142	04							168	9		HBF APOV	05	HBF ANA	01	1	TQ2	A2		04A			
03796	J1126	19		J1141	11				168	9		HBF ARA	01	HBF ARA	00	1	TT3	B2		09B		802	
01262	J1141	11							168	9		HBF ARA	02	HBF APOV	01	1	TH1	A1		07A			
01263	J1142	20		J1126	04				168	9		HBF ASA	01	HBF AKS	01	2	TQ2	B2		11A			
01264	J1126	04							168	9		HBF ASA	02	HBF ASA	00	1	TT3	A1		04A			
01265	J1135	15		J1134	05				168	9		HBF ATR	01	HBF ATR	00	1	TT3	A3		07B			
01266	J1134	05		J1126	08				168	9		HBF ATR	02	HBF ATR	01	2	TQ2	A2		03B			
01267	J1126	08							168	9		HBF ATR	03	HBF ASA	01	2	TT3	A1		06A			
01268	J1135	09		J1134	01				168	9		HBF ATS	01	HBF ATR	01	1	TT3	A3		04B			
01269	J1134	01							168	9		HBF ATS	02	HBF ATR	00	1	TQ2	A2		02B			
01270	J1142	09		J1134	04				168	9		HBF AUA	01	HBF AUA	00	1	TQ2	A3		04B			
01271	J1134	04							168	9		HBF AUA	02	HBF ATR	01	1	TQ2	A2		04A			
												****	SIGNAL	(HBF AWA)	IS ON THE	NEXT PAGE	****						

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DRAWING NUMBER **ML10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBFAWAV**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **34**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT												
03760		J1116	07		J1106	75			168	9			HBFAWAV	01	HBFAWAV	00	1	THI	A5		04B		C01	
02781		J1106	75						168	9			HBFAWAV	02	HBFAWAV	01	1	TD4	F1		37B		C01	
01454		J1135	55		J1116	09			168	9			HBFAW0	01	HBFAW0	00	1	TT3	E2		29B	ERROR	B02	
02818		J1116	09						168	9			HBFAW0	02	HBFAWAV	01	1	THI	A5		05B		B02	
03777		J1116	80		J1145	75			168	9			HBFAWAV	01	HBFAWAV	00	1	THI	F1		38B		C01	
03598		J1145	75						168	9			HBFAWAV	02	HBFAWAV	01	1	EXT					C01	
01274		J1110	13		J1109	06			168	9			HBFA12E	01	HBFA12E	00	1	TS4	A3		07A			
01275		J1109	06						168	9			HBFA12E	02	HBFA12E	01	1	TT3	A1		05A			
01276		J1140	46		J1141	22			168	9			HBFA13E	01	HBFA13E	01	1	TDD	HN		21A			
01277		J1141	22		J1110	10			168	9			HBFA13E	02	HBFA13E	01	1	THI	B1		14A			
01278		J1110	10						168	9			HBFA13E	03	HBFA13E	00	1	TS4	A4		05A	CLOCK ST4		
01279		J1141	14		J1126	70			168	9			HBFBDAV	01	HBFBDAV	00	1	THI	B4		08B	(RST 3)*	C01	
01281		J1126	70		J1125	49			168	9			HBFBDAV	03	HBFBDAV	01	3	TT3	E1		33A		C01	
01283		J1125	49		J1115	66			168	9			HBFBDAV	05	HBFBDAV	01	1	DBC	D5		24B			
01284		J1115	66		J1105	64			168	9			HBFBDAV	06	HBFBDAV	01	1	DBC	E5		32B			
01285		J1105	64		J1103	79			168	9			HBFBDAV	07	HBFBDAV	01	1	TDD	KP		30A		B02	
01287		J1103	79						168	9			HBFBDAV	09	HBFBDAV	01	2	TQ2	F1		39B			
03036		J1142	23		J1133	43			168	9			HBFBDAV	01	HBFBDAV	01	1	TQ2	B4		11B		C06	
01291		J1133	43		J1115	35			168	9			HBFBDAV	04	HBFBDAV	00	1	THI	D5		24B	(RST 4)*		
01292		J1115	35		J1113	49			168	9			HBFBDAV	05	HBFBDAV	01	1	DBC	C5		16B			
01293		J1113	49		J1108	49			168	9			HBFBDAV	06	HBFBDAV	01	2	TQ2	D4		24B			
01294		J1108	49		J1108	35			168	9			HBFBDAV	07	HBFBDAV	01	1	DBC	D5		24B			
01295		J1108	35						168	9			HBFBDAV	08	HBFBDAV	01	1	DBC	C5		16B			
01288		J1141	65		J1141	79			168	9			HBFBDAV	AA	HBFBDAV	01	1	THI	E6		33B		B01	
01289		J1141	79		J1147	11			168	9			HBFBDAV	00	HBFBDAV	01	1	THI	F1		39B		B01	
01296		J1147	11		J1141	17			168	9			HBFBDAV	01	HBFBDAV			FTH						
01297		J1141	17		J1141	27			168	9			HBFBDAV	02	HBFBDAV	01	1	THI	B4		09B			
01298		J1141	27		J1137	54			168	9			HBFBDAV	03	HBFBDAV	01	1	THI	B6		13B			
01299		J1137	54		J1133	45			168	9			HBFBDAV	04	HBFBDAV	01	1	TLD	D1		25A			
01300		J1133	45		J1106	59			168	9			HBFBDAV	05	HBFBDAV	01	1	THI	D5		25B			
01301		J1106	59		J1107	17			168	9			HBFBDAV	06	HBFBDAV	00	1	TD4	E1		31B		C06	
03220		J1107	17						168	9			HBFBDAV	07	HBFBDAV	01	2	TT3	B2		08B		C06	
01302		J1142	21		J1134	03			168	9			HBFBDAV	01	HBFBDAV	00	1	TQ2	B3		10B			
01303		J1134	03		J1106	66			168	9			HBFBDAV	02	HBFBDAV	01	1	TQ2	A3		02A			
01304		J1106	66		J1107	41			168	9			HBFBDAV	03	HBFBDAV	01	2	TD4	E1		31A		C06	
03244		J1107	41						168	9			HBFBDAV	04	HBFBDAV	01	1	TT3	D2		22B		C06	
01305		J1142	19		J1134	09			168	9			HBFBDAV	01	HBFBDAV	01	2	TQ2	B3		09B			
01306		J1134	09		J1107	29			168	9			HBFBDAV	02	HBFBDAV	00	1	TQ2	A3		04B		C06	
03232		J1107	29						168	9			HBFBDAV	03	HBFBDAV	01	1	TT3	C2		14B		C06	
01309		J1134	29		J1142	38			168	9			HBFBDAV	03	HBFBDAV	01	1	TQ2	C3		14B			
												****	SIGNAL (HBFBGR		IS ON THE		NEXT PAGE		****					

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FILE IDENT												TSQ3MTSL		DATE		PAGE		35						
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01310		J1142	38							16B	9		HBFBGR	04	HBFBGR	00	1	TQ2	C1		18A			
03034		J1140	30		J1142	42				16B	9		HBFBGS	00	HBRGYN	01	1	TDD	FN		15A		C01	
01311		J1142	42		J1134	33				16B	9		HBFBGS	01	HBFBGR	01	2	TQ2	C1		20A			
01312		J1134	33							16B	9		HBFBGS	02	HBFBGS	00	1	TQ2	C3		16B			
01313		J1134	50		J1134	35				16B	9		HBFBHR	01	HBS2A0	01	2	TQ2	D2		23A		C06	
01314		J1134	35		J1142	30				16B	9		HBFBHR	02	HBFBHS	01	1	TQ2	C4		17B			
01315		J1142	30							16B	9		HBFBHR	03	HBFBHR	00	1	TQ2	C2		15A	ONE CYCLE		
01316		J1142	36		J1134	39				16B	9		HBFBHS	01	HBFBHR	01	2	TQ2	C2		17A			
01317		J1134	39							16B	9		HBFBHS	02	HBFBHS	00	1	TQ2	C4		19B	CONT CYCLE	C06	
01319		J1134	54		J1142	33				16B	9		HBFBIR	02	HBFBIS	01	1	TQ2	D1		25A			
01320		J1142	33							16B	9		HBFBIR	03	HBFBIR	00	1	TQ2	C3		16B			
01321		J1142	31		J1140	26				16B	9		HBFBIS	01	HBFBIR	01	2	TQ2	C3		15B		C01	
02145		J1140	26		J1134	52				16B	9		HBFBIS	02	HBFB1N	01	1	TDD	CN		14A		C01	
01323		J1134	52							16B	9		HBFBIS	03	HBFBIS	00	1	TQ2	D1		24A	SELF TEST RESTART		
01324		J1142	39		J1141	38				16B	9		HBFBJA	01	HBFBJA	00	1	TQ2	C4		19B	SELF TEST RESTART		
01325		J1141	38							16B	9		HBFBJA	02	HBFBJOV	01	1	THI	C1		20A		C01	
01326		J1141	40		J1140	22				16B	9		HBFBJOV	01	HBFBJOV	00	1	THI	C1		19A		C01	
03021		J1140	22							16B	9		HBFBJOV	02	HBFBIP	01	1	TDD	CP		12A		C01	
01328		J1141	26		J1135	08				16B	9		HBFBKAV	01	HBFBKAV	00	1	THI	B6		12B	(RST 5)*		
01329		J1135	08		J1134	25				16B	9		HBFBKAV	02	HBFAKR	01	2	TT3	A1		06A			
01330		J1134	25		J1134	17				16B	9		HBFBKAV	03	HBFAJR	01	2	TQ2	B4		12B			
01331		J1134	17		J1135	13				16B	9		HBFBKAV	04	HBFAJR	01	1	TQ2	B3		08B			
01332		J1135	13		J1135	18				16B	9		HBFBKAV	05	HBFAJR	01	3	TT3	A3		06B			
01333		J1135	18		J1135	26				16B	9		HBFBKAV	06	HBPPNR	01	3	TT3	B2		10A			
01334		J1135	26		J1125	66				16B	9		HBFBKAV	07	HBFAMR	01	3	TT3	B1		14A		C06	
01336		J1125	66		J1108	66				16B	9		HBFBKAV	09	HBCG85U	01	1	DBC	E5		32B			
01337		J1108	66							16B	9		HBFBKAV	10	HBCG85U	01	1	DBC	E5		32B			
01338		J1146	73		J1137	52				16B	9		HBFBRD1	01	HCOMMZ	04	3	EXT						
01339		J1137	52		J1136	36				16B	9		HBFBRD1	02	HBFBRD1	00	1	TLD	D1		24A			
01340		J1136	36							16B	9		HBFBRD1	03				RR1	C6					
03886		J1140	23		J1135	69				16B	9		HBFB1P	01	HBFB1P	00	1	TDD	CP		11B		C01	
00972		J1135	69		J1135	79				16B	9		HBFB1P	02	HBCSMS	01	1	TT3	F3		35A		C01	
01318		J1135	79							16B	9		HBFB1P	03	HBJAIO	01	3	TT3	F1		39B		C01	
03801		J1128	63		J1117	59				16B	9		HBFRAA	01	HBFRAA	00	1	TQ2	E4		33B		B04	
02944		J1117	59							16B	9		HBFRAA	02	HBFSSO	01	1	TQ2	E4		31B		B04	
03772		J1116	70		J1117	61				16B	9		HBFRBAV	01	HBFRBAV	00	1	THI	F3		34B		B04	
02872		J1117	61							16B	9		HBFRBAV	02	HBFSSO	01	2	TQ2	E4		32B		B04	
													****	SIGNAL	(HBFRSAV	S ON THE		NEXT PAGE		****				

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

STRING

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

REV F
 DATE 09-01-82

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RECORD NUMBER	FROM				TO				WIRE			SFC IDENT	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
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03821 02758		J1141 J1140	42 36		J1140	36				168 168	9 9		HBFRSAV HBFRSAV	01 01	HBFRSAV HBRCYP	00 01	1 1	THI TOD	C6 FP		18B 17A		B02 B02	
03825 03037		J1142 J1141	27 39		J1141	39				168 168	9 9		HBFRS0 HBFRS0	01 02	HBFRS0 HBFRSAV	00 01	1 1	TQ2 THI	B4 C6		13B 19B		B02 B02	
03780 02966		J1117 J1128	57 59		J1128	59				168 168	9 9		HBFR20 HBFR20	01 02	HBFR20 HBFRAA	00 01	1 1	TQ2 TQ2	E3 E4		30B 31B		B04 B04	
03806 02936		J1132 J1116	59 69		J1116	69				168 168	9 9		HBFR80 HBFR80	01 02	HBFR80 HBFRBAV	00 01	1 1	TS8 THI	E1 F3		31B 35B		B04 B04	
03782 02533		J1117 J1106	63 70		J1106	70				168 168	9 9		HBFS00 HBFS00	01 02	HBFS00 HBFBEO	00 01	1 4	TQ2 TD4	E4 E1		33B 33A		B04 B04	
01346 01347 01348		J1146 J1137 J1136	77 63 05		J1137 J1136	63 05				168 168 168	9 9 9		HBVSD1 HBVSD1 HBVSD1	01 02 03	HCDMMZ HBVSD1	04 00	8 1	EXT TLD RRI	E4 E4 A1			33B		
01349 01350 01351 01352 01353 01354 01355 01356 01357		J1141 J1108 J1110 J1110 J1110 J1110 J1110 J1108 J1105	37 05 03 17 31 43 55 71 62		J1108 J1110 J1110 J1110 J1110 J1108 J1105	05 03 17 31 43 71 62				168 168 168 168 168 168 168 168 168	9 9 9 9 9 9 9 9 9		H8GN10V H8GN10V H8GN10V H8GN10V H8GN10V H8GN10V H8GN10V H8GN10V H8GN10V	01 02 03 04 05 06 07 08 09	H8GN10V HBWA13T HBFA10E HBT190E HBT200E H8YD10E H8YD20E HBCGA1U HBT8KI	00 01 01 01 01 01 01 01 01	1 1 1 1 1 1 1 1 1	THI DBC TS4 TS4 TS4 TS4 DBC TOD	C2 A4 A1 B1 C1 D1 E1 E1 KI		17A 03B 03B 09B 15B 23B 29B 33B 29A	PULL DOWN 1		
01358 01359 01360 01361 01362 01363 01364		J1141 J1110 J1110 J1108 J1110 J1110 J1110	34 01 15 21 29 41 53		J1110 J1110 J1108 J1110 J1110 J1110	01 15 21 29 41 53				168 168 168 168 168 168 168	9 9 9 9 9 9 9		H8GN20V H8GN20V H8GN20V H8GN20V H8GN20V H8GN20V H8GN20V	01 02 03 04 05 06 07	H8GN20V HBFA11E HBT191E HBWA23T HBT201E H8YD11E H8YD21E	00 01 01 01 01 01 01	1 1 1 1 1 1 1	THI TS4 TS4 DBC TS4 TS4 TS4	C3 A2 B2 B4 C2 D2 E2		15A 02B 08B 10B 14B 22B 28B			
01366 01367 01368 01369 01370 02833 01372 01373 01374		J1110 J1110 J1110 J1110 J1110 J1108 J1115 J1125 J1141	04 18 30 46 57 57 77 75 75 30		J1110 J1110 J1110 J1110 J1108 J1115 J1125 J1141	18 30 46 57 77 75 75 30				168 168 168 168 168 168 168 168 168	9 9 9 9 9 9 9 9 9		H8GN30V H8GN30V H8GN30V H8GN30V H8GN30V H8GN30V H8GN30V H8GN30V H8GN30V	01 02 03 04 05 06 07 08 09	HBFA12E HBT192E HBT202E H8YD12E H8YD22E HBCGA1U HBMYC1U HBCGB1U H8GN30V	01 01 01 01 01 01 01 01 00	1 1 1 1 1 4 3 3 1	TS4 TS4 TS4 TS4 TS4 DBC DBC DBC THI	A3 B3 C3 D3 E3 E1 E1 E1 C4		02A 09A 15A 21A 28A 36B 35B 35B 14B			
01375 01376 01377		J1141 J1115 J1110	31 77 60		J1115 J1110 J1110	77 60 48				168 168 168	9 9 9		H8GN40V H8GN40V H8GN40V	01 02 03	H8GN40V HBMYC1U H8YD23E	00 01 01	1 4 1	THI DBC TS4	C5 E1 E4		16B 36B 29A			
										****		SIGNAL	H8GN40V	1	IS ON THE									

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01378		J1110	48		J1110	34				168	9		H8GN40V	04	H8TD13E	01	1	TS4	04		22A				
01379		J1110	34		J1110	20				168	9		H8GN40V	05	H8T203E	01	1	TS4	C4		16A				
01380		J1110	20		J1110	06				168	9		H8GN40V	06	H8T193E	01	1	TS4	B4		10A				
01381		J1110	06							168	9		H8GN40V	07	H8FA13E	01	1	TS4	A4		03A				
01382		J1127	09		J1114	05				168	9		HBHAAER	01	HBHAAOV	01	1	THI	A5		05B		801		
01418		J1114	05							168	9		HBHAAER	02	HBHAAER	00	1	EOR	A1		04B		801		
01384		J1132	43		J1127	07				168	9		HBHAAOV	01	HBHAGA	01	1	TS8	D1		23B				
01385		J1127	07							168	9		HBHAAOV	02	HBHAAOV	00	1	THI	A5		04B				
01386		J1127	15		J1114	11				168	9		HBHABER	01	HBHABOV	01	1	THI	A6		07B		801		
01421		J1114	11							168	9		HBHABER	02	HBHABER	00	1	EOR	A2		07B		801		
01388		J1132	46		J1127	10				168	9		HBHABOV	01	HBHAGA	01	2	TS8	D1		21A				
01389		J1127	10							168	9		HBHABOV	02	HBHABOV	00	1	THI	A6		06B				
01390		J1127	22		J1114	13				168	9		HBHACER	01	HBHACOV	01	1	THI	B1		14A				
01391		J1114	13							168	9		HBHACER	02	HBHACER	00	1	EOR	A3		07A				
01392		J1132	48		J1127	24				168	9		HBHACOV	01	HBHAGA	01	3	TS8	D1		22A				
01393		J1127	24							168	9		HBHACOV	02	HBHACOV	00	1	THI	B1		13A				
01394		J1127	23		J1114	08				168	9		HBHADER	01	HBHADOV	01	1	THI	B2		12A				
01395		J1114	08							168	9		HBHADER	02	HBHADER	00	1	EOR	A4		04A				
01396		J1132	49		J1127	25				168	9		HBHADOV	01	HBHAGA	01	4	TS8	D1		26B				
01397		J1127	25							168	9		HBHADOV	02	HBHADOV	00	1	THI	B2		11A				
01398		J1127	20		J1114	19				168	9		HBHAEER	01	HBHAEOV	01	1	THI	B3		10A		801		
01430		J1114	19							168	9		HBHAEER	02	HBHAEER	00	1	EOR	B1		10B		801		
01400		J1132	50		J1127	18				168	9		HBHAEOV	01	HBHAGA	01	5	TS8	D1		23A				
01401		J1127	18							168	9		HBHAEOV	02	HBHAEOV	00	1	THI	B3		09A				
01402		J1127	17		J1114	27				168	9		HBHAFER	01	HBHAFOV	01	1	THI	B4		09B		801		
01433		J1114	27							168	9		HBHAFER	02	HBHAFER	00	1	EOR	B2		13B		801		
01404		J1132	52		J1127	14				168	9		HBHAFOV	01	HBHAGA	01	6	TS8	D1		24A				
01405		J1127	14							168	9		HBHAFOV	02	HBHAFOV	00	1	THI	B4		08B				
01406		J1134	47		J1132	47				168	9		HBHAGA	01	HBHAHS	01	1	TQ2	D4		25B				
01407		J1132	47							168	9		HBHAGA	02	HBHAGA	00	1	TS8	D1		25B				
01408		J1134	49		J1128	46				168	9		HBHAHR	01	HBHAHS	01	2	TQ2	D4		26B				
01409		J1128	46							168	9		HBHAHR	02	HBHAHR	00	1	TQ2	D2		21A				
01410		J1128	41		J1128	48				168	9		HBHAHS	01	HBHAIA	01	1	TQ2	D3		22B				
01411		J1128	48		J1134	51				168	9		HBHAHS	02	HBHAHR	01	1	TQ2	D2		22A				
01412		J1134	51		J1147	13				168	9		HBHAHS	03	HBHAHS	00	1	TQ2	D4		27B	CKT TEST COMP	801		
										****	SIGNAL	HBHAHS		IS ON THE	NEXT PAGE	****									

DRAWING NUMBER		STRING										UNIT ASSEMBLY NO.		REV F		INDEX		HBMAHS							
WL10281452												10281452		DATE		PAGE		38							
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS										FILE IDENT		09-01-82											
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02072		J1147	13											HBMAHS	04									801	
01413		J1128	45		J1127	52				16B	9			HBMAIA	01	HBMAIA	00	1	TQ2	D3		24B	(CKT TEST COMP)*		
01414		J1127	52		J1103	78				16B	9			HBMAIA	02	HBMAIOV	01	1	THI	D1		26A			
01415		J1103	78							16B	9			HBMAIA	03	HBMYRO	01	2	TQ2	F4		38A			
01416		J1147	09		J1127	54				16B	9			HBMAIOV	01										
01417		J1127	54							16B	9			HBMAIOV	02	HBMAIOV	00	1	FTH	D1		25A	ADV IC CTR		
01383		J1114	01		J1131	15				16B	9			HBHB11V1	01	HBHAAER	01	2	EOR	A1		02B		801	
01419		J1131	15		J1136	35				16B	9			HBHB11V1	02	HBHB11V1	00	1	RO5	A1		T01			
01420		J1136	35							16B	9			HBHB11V1	03										
01387		J1114	07		J1131	18				16B	9			HBHB12V1	01	HBHABER	01	2	EOR	A2		05B		801	
01422		J1131	18		J1136	37				16B	9			HBHB12V1	02	HBHB12V1	00	1	RO5	A2		T02			
01423		J1136	37							16B	9			HBHB12V1	03										
01424		J1114	10		J1131	20				16B	9			HBHB13V1	01	HBHACER	01	2	EOR	A3		05A			
01425		J1131	20		J1136	39				16B	9			HBHB13V1	02	HBHB13V1	00	1	RO5	A3		T03			
01426		J1136	39							16B	9			HBHB13V1	03										
01427		J1114	04		J1131	22				16B	9			HBHB14V1	01	HBHADER	01	2	EOR	A4		02A			
01428		J1131	22		J1136	40				16B	9			HBHB14V1	02	HBHB14V1	00	1	RO5	A4		T04			
01429		J1136	40							16B	9			HBHB14V1	03										
01399		J1114	15		J1131	24				16B	9			HBHB15V1	01	HBHAEER	01	2	EOR	B1		08B		801	
01431		J1131	24		J1136	42				16B	9			HBHB15V1	02	HBHB15V1	00	1	RO5	A5		T05			
01432		J1136	42							16B	9			HBHB15V1	03										
01403		J1114	21		J1131	26				16B	9			HBHB16V1	01	HBHAFER	01	2	EOR	B2		11B		801	
01434		J1131	26		J1136	46				16B	9			HBHB16V1	02	HBHB16V1	00	1	RO5	A6		T06			
01435		J1136	46							16B	9			HBHB16V1	03										
01436		J1131	29		J1136	41				16B	9			HBHB17V1	01	HBHB17V1	00	1	RO5	A7		T07			
01437		J1136	41							16B	9			HBHB17V1	02										
01438		J1131	34		J1136	45				16B	9			HBHB18V1	01	HBHB18V1	00	1	RO5	A8		T08			
01439		J1136	45							16B	9			HBHB18V1	02										
01440		J1112	40		J1109	52				16B	9			HBINHAV	01	HBINHAV	00	1	THI	C1		19A			
01441		J1109	52							16B	9			HBINHAV	02	HBLAGA	01	1	TT3	D1		24A			
01442		J1133	11		J1132	11				16B	9			HBJAAO	01	HBJACAV	01	1	THI	A1		07A			
01443		J1132	11							16B	9			HBJAAO	02	HBJAAO	00	1	TS8	A1		05B			
01444		J1133	06		J1132	23				16B	9			HBJABO	01	HBJADAV	01	1	THI	A2		05A			
01445		J1132	23							16B	9			HBJABO	02	HBJABO	00	1	TS8	B1		11B			
02774		J1106	01		J1133	13				16B	9			HBJACAV	01	HBJAF0	01	1	TD4	A2		02B		802	
01447		J1133	13							16B	9			HBJACAV	02	HBJACAV	00	1	THI	A1		06A			

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE				
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		HBJACAV 39				
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	OR FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR											
01038		J1128	62		J1126	51		168	9		HBJACO	01	HBJBCA	01	1	TQ2	E2	29A		C01
01449		J1126	51					168	9		HBJACO	02	HBJACO	00	1	TT3	D3	27B		
02765		J1106	04		J1133	08		168	9		HBJADAV	01	HBJAFO	01	2	TD4	A2	04A		B02
01451		J1133	08					168	9		HBJADAV	02	HBJADAV	00	1	THI	A2	04A		
03698		J1106	09		J1133	55		168	9		HBJAFO	01	HBJAFO	00	1	TD4	A2	04B		B02
01455		J1133	55		J1140	01		168	9		HBJAFO	02	HBJAGAV	01	1	THI	E4	29B		C06
02816		J1140	01					168	9		HBJAFO	03	HBSTCN	01	1	TDD	BN	02B		C06
01456		J1134	41		J1133	56		168	9		HBJAGAV	01	HBJAHS	01	1	TQ2	D3	22B		
01457		J1133	56		J1126	60		168	9		HBJAGAV	02	HBJAGAV	00	1	THI	E4	28B		C06
01902		J1126	60					168	9		HBJAGAV	03	HBSCMR	01	2	TT3	E2	28A		C06
01458		J1134	74		J1134	43		168	9		HBJAHR	01	HBJAMO	01	2	TQ2	F3	35B		
01459		J1134	43		J1135	51		168	9		HBJAHR	02	HBJAHS	01	2	TQ2	D3	23B		B02
03808		J1135	51					168	9		HBJAHR	03	HBJAHR	00	1	TT3	D3	27B		B02
01461		J1142	65		J1134	45		168	9		HBJAHS	01	HBJANO	01	1	TQ2	F3	34B		
01462		J1134	45		J1135	47		168	9		HBJAHS	02	HBJAHS	00	1	TQ2	D3	24B		B02
02975		J1135	47					168	9		HBJAHS	03	HBJAHR	01	2	TT3	D3	25B		B02
01464		J1141	73		J1135	73		168	9		HBJAIO	01	HBJAJAV	01	1	THI	F2	37B		
01465		J1135	73					168	9		HBJAIO	02	HBJAIO	00	1	TT3	F1	36B		
01466		J1130	36		J1134	71		168	9		HBJAJAV	01	HBJAKP	01	1	TDD	FP	17A		B02
00876		J1134	71		J1141	71		168	9		HBJAJAV	02	HBJPSA	01	1	TQ2	F2	36A		B02
01468		J1141	71					168	9		HBJAJAV	03	HBJAJAV	00	1	THI	F2	36B		
01469		J1142	74		J1141	69		168	9		HBJAKQ	01	HBJANO	01	2	TQ2	F3	35B		
01470		J1141	69		J1137	68		168	9		HBJAKQ	02	HBJALOV	01	1	THI	F3	35B		
01471		J1137	68		J1134	73		168	9		HBJAKQ	03	HBJRC06	01	1	TLD	E1	32A		
01472		J1134	73		J1134	65		168	9		HBJAKQ	04	HBJPSA	01	2	TQ2	F2	36B		
01473		J1134	65		J1130	31		168	9		HBJAKQ	05	HBJAMO	01	1	TQ2	F3	34B		
01474		J1130	31					168	9		HBJAKQ	06	HBJAKQ	00	1	TDD	F3	15B		
01475		J1141	70		J1130	34		168	9		HBJALOV	01	HBJALOV	00	1	THI	F3	34B		
01476		J1130	34					168	9		HBJALOV	02	HBJAKI	01	1	TDD	F1	16A		
01477		J1137	41		J1137	48		168	9		HBJAMO	01	HBJAQ06	01	1	TLD	D3	22B		
01478		J1137	48		J1134	69		168	9		HBJAMO	02	HBJAPD1	01	1	TLD	D2	22A		D02
01479		J1134	69					168	9		HBJAMO	03	HBJAMO	00	1	TQ2	F3	35A		
01480		J1142	69		J1137	62		168	9		HBJANO	01	HBJANO	00	1	TQ2	F3	35A		
01481		J1137	62		J1137	47		168	9		HBJANO	02	HBJAS06	01	1	TLD	E2	29A		
01482		J1137	47					168	9		HBJANO	03	HBJARD1	01	1	TLD	D4	25B		D02
02735		J1118	75		J1137	46		168	9		HBJAPD1	01				RR1	H3			D02
								****		SIGNAL	(HBJAPD1		IS ON THE					****		

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DRAWING NUMBER UNIT ASSEMBLY NAME		HL10281452 CARD GAGE WIRED LH MTS										STRING		UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		HBJAPD1 40		
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	OR FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIK	PREFIX	CONNECTOR	PIK	MULTI GROUP	CODE	COLOR	IDENT												
01483 03022	J1137 J1141	46 21		J1141	21			168 168	9 9			HBJAPD1 HBJAPD1	02 03	HBJAPD1 HBJAPOV	00 01	1 1	TLD THI	D2 B5	21A 11B	RED PROBE	002 002	
03819 03581	J1141 J1145	19 58		J1145	58			168 168	9 9			HBJAPOV HBJAPOV	01 02	HBJAPOV	00	1	THI EXT	B5	10B		002 002	
01486 01487 01488 03583	J1137 J1138 J1138 J1145	45 20 08 60		J1138 J1138 J1145	20 08 60			168 168 168 168	9 9 9 9			HBJAQD6 HBJAQD6 HBJAQD6 HBJAQD6	01 02 03 04	HBJAQD6	00	1	TLD DR1 DR1 EXT	D3 B3 A3	24B	RED FRONT PANEL		
01489 02223 02741	J1137 J1127 J1118	51 45 76		J1127 J1118	45 76			168 168	9 9			HBJAR01 HBJAR01 HBJAR01	01 02 03	HBJAR01 HBJAROV	00 01	1	TLD THI RR1	D4 D5 H4	27B 25B	GREEN PROBE	002 002 002	
03928 03592	J1127 J1145	43 69		J1145	69			168 168	9 9			HBJAROV HBJAROV	01 02	HBJAROV	00	1	THI EXT	D5	24B	601	002 002	
01492 01493 01494 03584	J1137 J1138 J1138 J1145	60 26 10 61		J1138 J1138 J1145	26 10 61			168 168 168 168	9 9 9 9			HBJASD6 HBJASD6 HBJASD6 HBJASD6	01 02 03 04	HBJASD6	00	1	TLD DR1 DR1 EXT	E2 B5 A5	28A	GREEN FRONT PANEL		
03706 00978	J1106 J1128	76 42		J1128	42			168 168	9 9			HBJBA0 HBJBA0	01 02	HBJBA0 HBJBBA	00 01	1 2	T04 TQ2	F1 C1	37A 20A		C01 C01	
00973 02729	J1128 J1106	38 07		J1106	07			168 168	9 9			HBJBBA HBJBBA	01 02	HBJBBA HBJAFO	00 01	1 4	TQ2 TD4	C1 A2	18A 03A		C01 C01	
01034 02783	J1128 J1106	60 05		J1106	05			168 168	9 9			HBJBCA HBJBCA	01 02	HBJBCA HBJAFO	00 01	1 3	TQ2 TD4	E2 A2	28A 03B		C01 C01	
01260 02901 01290	J1141 J1135 J1135	08 49 77		J1135 J1135	49 77			168 168 168	9 9 9			HBJBDAV HBJBDAV HBJBDAV	01 02 03	HBJBDAV HBJAHR HBJAIO	00 01 01	1 3 2	THI TT3 TT3	A2 D3 F1	04A 26B 38B		C06 C06 C06	
03246 02529	J1107 J1141	43 06		J1141	06			168 168	9 9			HBJBDO HBJBDO	01 02	HBJBDO HBJBDAV	00 01	1 1	TT3 THI	D2 A2	23B 05A		C06 C06	
01495 01463	J1134 J1128	72 54		J1128	54			168 168	9 9			HBJPSA HBJPSA	01 02	HBJPSA HBJPWO	00 01	1 1	TQ2 TQ2	F2 D1	34A 25A		802 802	
03822 01496	J1141 J1130	54 29		J1130	29			168 168	9 9			HBJPWAV HBJPWAV	01 02	HBJPWAV HBJAKQ	00 01	1 1	THI TDD	D1 FQ	25A 14B		802 802	
01460 03038	J1128 J1141	52 52		J1141	52			168 168	9 9			HBJPWO HBJPWO	01 02	HBJPWO HBJPWAV	00 01	1 1	TQ2 THI	D1 D1	24A 26A		802 802	
01497 01498	J1137 J1138	66 35		J1138 J1138	35 23			168 168	9 9			HBJRCD6 HBJRCD6	01 02	HBJRCD6	00	1	TLD DR1	E1 D1	31A			
****											SIGNAL	(HBJRCD6	IS ON THE NEXT PAGE ****									

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV DATE		INDEX PAGE		HBJRCD6 41				
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		F 09-01-82								
RECORD NUMBER	FROM				TO				WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT											
01499	J1138	23		J1145	64			168	9		HBJRCD6	03					DR1	C1			A01	
03587	J1145	64						168	9		HBJRCD6	04					EXT				A01	
01500	J1146	09		J1133	26			168	9		HBJ000V	01	HCDMMZ	01	1	EXT						
01501	J1133	26						168	9		HBJ000V	02	HBJ000V	00	1	THI	B6			12B		
01502	J1146	10		J1133	72			168	9		HBJ010V	01	HCDMMZ	01	2	EXT						
01503	J1133	72						168	9		HBJ010V	02	HBJ010V	00	1	THI	F4			34A		
01504	J1146	11		J1133	34			168	9		HBJ020V	01	HCDMMZ	01	3	EXT						
01505	J1133	34						168	9		HBJ020V	02	HBJ020V	00	1	THI	C3			15A		
01506	J1146	13		J1133	77			168	9		HBJ030V	01	HCDMMZ	01	4	EXT						
01507	J1133	77						168	9		HBJ030V	02	HBJ030V	00	1	THI	F6			38A		
01508	J1146	14		J1133	31			168	9		HBJ040V	01	HCDMMZ	01	5	EXT						
01509	J1133	31						168	9		HBJ040V	02	HBJ040V	00	1	THI	C5			16B		
01510	J1146	15		J1127	08			168	9		HBJ050V	01	HCDMMZ	01	6	EXT						
01511	J1127	08						168	9		HBJ050V	02	HBJ050V	00	1	THI	A2			04A		
01512	J1146	17		J1133	68			168	9		HBJ060V	01	HCDMMZ	01	7	EXT						
01513	J1133	68						168	9		HBJ060V	02	HBJ060V	00	1	THI	E6			32B		
01514	J1146	18		J1127	01			168	9		HBJ070V	01	HCDMMZ	01	8	EXT						
01515	J1127	01						168	9		HBJ070V	02	HBJ070V	00	1	THI	A4			02B		
01516	J1146	19		J1133	71			168	9		HBJ080V	01	HCDMMZ	02	1	EXT						
01517	J1133	71						168	9		HBJ080V	02	HBJ080V	00	1	THI	F2			36B		
01518	J1130	08		J1116	03			168	9		HBKAAV	01	HBKCI1	01	1	TDD	A1			06A		
01519	J1116	03						168	9		HBKAAV	02	HBKAAV	00	1	THI	A3			03A		
01520	J1130	06		J1116	01			168	9		HBKABAV	01	HBKCI1	01	1	TDD	AP			05A		
01521	J1116	01						168	9		HBKABAV	02	HBKABAV	00	1	THI	A4			02B		
01524	J1135	27		J1133	22			168	9		HBKADA	01	HBKADA	00	1	TT3	B3			13B		
01525	J1133	22						168	9		HBKADA	02	HBKAFOV	01	1	THI	B1			14A		
01526	J1135	31		J1133	38			168	9		HBKAEA	01	HBKAEA	00	1	TT3	C2			15B		
01527	J1133	38		J1107	05			168	9		HBKAEA	02	HBKAGOV	01	1	THI	C1			20A	C06	
03208	J1107	05						168	9		HBKAEA	03	HBSB1A	01	3	TT3	A2			03B	C06	
01528	J1135	40		J1133	24			168	9		HBKAFOV	01	HBKAHA	01	2	TT3	C1			19A		
01529	J1133	24		J1107	01			168	9		HBKAFOV	02	HBKAFOV	00	1	THI	B1			13A	C06	
03204	J1107	01						168	9		HBKAFOV	03	HBSB1A	01	1	TT3	A2			02B	C06	
01530	J1135	33		J1133	40			168	9		HBKAGOV	01	HBKAJA	01	1	TT3	C3			16B		
01531	J1133	40						168	9		HBKAGOV	02	HBKAGOV	00	1	THI	C1			19A		
											****	SIGNAL	(HBKAHA	IS ON THE		NEXT PAGE		****				

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DRAWING NUMBER UNIT ASSEMBLY NAME		WL10281452 CARD CAGE WIRED LH MTS										STRING		UNIT ASSEMBLY NO. FILE IDENT		10281452 TSQ3MTSL		REV F DATE		INDEX PAGE		HBKAHA 42	
RECORD NUMBER	FROM	TO	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	SIGNAL	SEQ NO	EQUATION	TRM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
01533	J1130	56		J1135	36			168	9				HBKAHA	02	HBST3N	01	1	TDD	GN		24A		
01534	J1135	36						168	9				HBKAHA	03	HBKAHA	00	1	TT3	C1		17A	CP FOR ST3 ST10	B04
01535	J1135	39		J1130	46			168	9				HBKAJA	01	HBKAJA	00	1	TT3	C3		19B	CP FOR ST5	
01536	J1130	46						168	9				HBKAJA	02	HBST5N	01	1	TDD	HN		21A		
01537	J1135	50		J1130	70			168	9				HBKAKA	01	HBKAKA	00	1	TT3	D1		23A	CP FOR ST7	
01538	J1130	70						168	9				HBKAKA	02	HBST7N	01	1	TDD	JN		33A		
01539	J1130	60		J1126	50			168	9				HBKALA	01	HBST9N	01	1	TDD	KN		28A		
01540	J1126	50						168	9				HBKALA	02	HBKALA	00	1	TT3	D1		23A		
03889	J1137	30		J1145	07			168	9				HBKAMD	01	HBKAMD	00	1	TLO	C2		15A	TO 80 PIN FRONT PA01	A01
03530	J1145	07						168	9				HBKAMD	02	HBKAMD	01	1	EXT					
01541	J1146	75		J1141	72			168	9				HBKANOV	01	HCDMMZ	04	6	EXT					
01542	J1141	72						168	9				HBKANOV	02	HBKANOV	00	1	THI	F4		34A	ENABLE SENSE #2	
01543	J1146	76		J1141	01			168	9				HBKAPOV	01	HCDNMZ	04	7	EXT					
01544	J1141	01						168	9				HBKAPOV	02	HBKAPOV	00	1	THI	A4		02B	ENABLE SENSE #3	
01545	J1135	43		J1134	42			168	9				HBKAQR	01	HBKAQR	00	1	TT3	D2		23B		
01546	J1134	42						168	9				HBKAQR	02	HBKAQS	01	2	TQ2	C1		20A		
01547	J1135	41		J1134	38			168	9				HBKAQS	01	HBKAQR	01	1	TT3	D2		22B		
01548	J1134	38		J1137	11			168	9				HBKAQS	02	HBKAQS	00	1	TQ2	C1		18A		
01549	J1137	11		J1137	03			168	9				HBKAQS	03	HBKATD	01	1	TLD	A4		05B		
01550	J1137	03		J1137	04			168	9				HBKAQS	04	HBKASD	01	1	TLD	A3		02A		
01551	J1137	04						168	9				HBKAQS	05	HBKARD	01	1	TLD	A2		04A		
02763	J1136	73		J1137	01			168	9				HBKARD	00	HBKARD	00	1	RR1	H2				
03890	J1137	01		J1145	08			168	9				HBKARD	01	HBKARD	00	1	TLD	A2		02B	POWER OFF 40	C01
03531	J1145	08						168	9				HBKARD	02				EXT					A01
02695	J1118	72		J1137	09			168	9				HBKASD	00	HBKASD	00	1	RR1	G5				
03891	J1137	09		J1145	09			168	9				HBKASD	01	HBKASD	00	1	TLD	A3		04B	POWER OFF 41	C01
03532	J1145	09						168	9				HBKASD	02				EXT					A01
02726	J1118	73		J1137	15			168	9				HBKATD	00	HBKATD	00	1	RR1	H2				
03892	J1137	15		J1145	10			168	9				HBKATD	01	HBKATD	00	1	TLD	A4		07B	POWER OFF 42	C01
03533	J1145	10						168	9				HBKATD	02				EXT					A01
01552	J1137	38		J1136	10			168	9				HBKAUDI	01	HBKAUDI	00	1	TLD	C1		18A	CONTINUITY TEST (
01553	J1136	10						168	9				HBKAUDI	02				RR1	A6				
01554	J1133	27		J1133	21			168	9				HBKA10T	01	HBK000V	01	1	THI	B6		13B		
01555	J1133	21		J1125	08			168	9				HBKA10T	02	HBK000V	01	1	THI	B5		11B		
01556	J1125	08						168	9				HBKA10T	03	HBKA10T	00	1	DBC	A1		04A		
01557	J1133	74		J1133	69			168	9				HBKA11T	01	HBK010V	01	1	THI	F4		35A		
								****	SIGNAL				HBKA11T		IS ON THE			NEXT PAGE		****			

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DRAWING NUMBER		WL10281452										STRING		UNIT ASSEMBLY NO.		REV		INDEX				
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS										TSQ3MTSL		DATE		PAGE						
RECORD NUMBER	FROM			DIP	TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN		PREFIX	CONNECTOR	PIN	U L S	MULTI GROUP	CODE	COLOR											
01558		J1133	69		J1125	10			168	9		HBKA11T	02	HBK010V	01	1	THI	F3		35B		
01559		J1125	10						168	9		HBKA11T	03	HBKA11T	00	1	DBC	A2		05A		
01560		J1133	36		J1133	35			168	9		HBKA12T	01	HBK020V	01	1	THI	C3		16A		
01561		J1133	35		J1125	14			168	9		HBKA12T	02	HBK020V	01	1	THI	C2		18A		
01562		J1125	14						168	9		HBKA12T	03	HBKA12T	00	1	DBC	A3		06A		
01563		J1133	76		J1133	75			168	9		HBKA13T	01	HBK030V	01	1	THI	F5		37A		
01564		J1133	75		J1125	13			168	9		HBKA13T	02	HBK030V	01	1	THI	F6		39A		
01565		J1125	13						168	9		HBKA13T	03	HBKA13T	00	1	DBC	A4		07A		
01566		J1133	33		J1133	29			168	9		HBKA14T	01	HBK040V	01	1	THI	C5		17B		
01567		J1133	29		J1125	17			168	9		HBKA14T	02	HBK040V	01	1	THI	C4		15B		
01568		J1125	17						168	9		HBKA14T	03	HBKA14T	00	1	DBC	A5		08B		
01569		J1127	06		J1127	11			168	9		HBKA15T	01	HBK050V	01	1	THI	A2		05A		
01570		J1127	11		J1125	07			168	9		HBKA15T	02	HBK050V	01	1	THI	A1		07A		
01571		J1125	07						168	9		HBKA15T	03	HBKA15T	00	1	DBC	A6		04B		
01572		J1133	65		J1133	39			168	9		HBKA16T	01	HBK060V	01	1	THI	E6		33B		
01573		J1133	39		J1125	09			168	9		HBKA16T	02	HBK060V	01	1	THI	C6		19B		
01574		J1125	09						168	9		HBKA16T	03	HBKA16T	00	1	DBC	A7		05B		
01575		J1127	04		J1127	05			168	9		HBKA17T	01	HBK070V	01	1	THI	A3		02A		
01576		J1127	05		J1125	11			168	9		HBKA17T	02	HBK070V	01	1	THI	A4		03B		
01577		J1125	11						168	9		HBKA17T	03	HBKA17T	00	1	DBC	A8		06B		
01578		J1133	79		J1133	73			168	9		HBKA18T	01	HBK080V	01	1	THI	F1		39B		
01579		J1133	73		J1125	15			168	9		HBKA18T	02	HBK080V	01	1	THI	F2		37B		
01580		J1125	15						168	9		HBKA18T	03	HBKA18T	00	1	DBC	A9		07B		
01581		J1125	04		J1131	62			168	9		HBKB11V1	01	HBKA10T	01	1	DBC	A1		02A		
01582		J1131	62		J1136	64			168	9		HBKB11V1	02	HBKB11V100	1	1	RO5	C1		T17		
01583		J1136	64						168	9		HBKB11V1	03				RR1	F6				
01584		J1125	06		J1131	64			168	9		HBKB12V1	01	HBKA11T	01	1	DBC	A2		03A		
01585		J1131	64		J1136	61			168	9		HBKB12V1	02	HBKB12V100	1	1	RO5	C2		T18		
01586		J1136	61						168	9		HBKB12V1	03				RR1	G1				
01587		J1125	03		J1131	66			168	9		HBKB13V1	01	HBKA12T	01	1	DBC	A3		02B		
01588		J1131	66		J1136	63			168	9		HBKB13V1	02	HBKB13V100	1	1	RO5	C3		T19		
01589		J1136	63						168	9		HBKB13V1	03				RR1	G2				
01590		J1125	05		J1131	68			168	9		HBKB14V1	01	HBKA13T	01	1	DBC	A4		03B		
01591		J1131	68		J1136	65			168	9		HBKB14V1	02	HBKB14V100	1	1	RO5	C4		T21		
01592		J1136	65						168	9		HBKB14V1	03				RR1	G3				
01593		J1131	70		J1136	66			168	9		HBKB15V1	01	HBKB15V100	1	1	RO5	C5		T20		1 CKT PER IC
01594		J1136	66		J1147	15			168	9		HBKB15V1	02				RR1	G4				
01595		J1147	15						168	9		HBKB15V1	03				FTH					

DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV		INDEX		DATE		PAGE		ECO	
WL10281452		CARD CAGE WIRED LH MTS												10281452		F		H8KB15V1		09-01-82		44			
RECORD NUMBER	FROM			TO			WIRE					SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	DI	MULTI GROUP	CODE	COLOR	IDENT									SPEC INST. MISC.	AND			OR	
01596	J1131	72		J1136	72				168	9		H8KB16V1	01	H8KB16V1	00	1	R05	C6		T22		2 CKT PER IC			
01597	J1136	72		J1147	17				168	9		H8KB16V1	02				RR1	G5							
01598	J1147	17							168	9		H8KB16V1	03				FTH								
01599	J1131	74		J1136	74				168	9		H8KB17V1	01	H8KB17V1	00	1	R05	C7		T23		3 CKT PER IC			
01600	J1136	74		J1147	18				168	9		H8KB17V1	02				RR1	G6							
01601	J1147	18							168	9		H8KB17V1	03				FTH								
01602	J1131	76		J1136	71				168	9		H8KB18V1	01	H8KB18V1	00	1	R05	C8		T24		4 CKT PER IC			
01603	J1136	71		J1147	19				168	9		H8KB18V1	02				RR1	H1							
01604	J1147	19							168	9		H8KB18V1	03				FTH								
01609	J1140	08		J1130	13				168	9		H8KC1Q	05	H8KC2I	01	1	TDD	A1		06A		PROBE CONN DET'D	A01		
01611	J1130	13		J1131	45				168	9		H8KC1Q	07	H8KC1Q	00	1	TDD	AQ		06B					
01612	J1131	45		J1131	47				168	9		H8KC1Q	08	H8C1D7V1	01	1	R05	B7							
01613	J1131	47		J1106	61				168	9		H8KC1Q	09	H8C1D8V1	01	1	R05	B8							
01614	J1106	61							168	9		H8KC1Q	10	H8FBEO	01	1	T04	E1		32B					
01615	J1140	13		J1130	05				168	9		H8KC2Q	01	H8KC2Q	00	1	TDD	AQ		06B					
01616	J1130	05		J1107	46				168	9		H8KC2Q	02	H8KC3I	01	1	TDD	B1		03B			C06		
03249	J1107	46							168	9		H8KC2Q	03	H8J8D0	01	2	TT3	D2		21A				C06	
03764	J1116	19		J1130	77				168	9		H8KC3AV	01	H8KC3AV	00	1	THI	B5		10B				C06	
01928	J1130	77							168	9		H8KC3AV	02	H8ST1I	01	1	TDD	LI		38B				C06	
02822	J1116	21		J1140	56				168	9		H8KC3Q	00	H8KC3AV	01	1	THI	B5		11B				C06	
01617	J1140	56		J1130	07				168	9		H8KC3Q	01	H8ST2N	01	1	TDD	GN		26A				C06	
01618	J1130	07		J1107	09				168	9		H8KC3Q	02	H8KC3Q	00	1	TDD	BQ		03A				C06	
03212	J1107	09		J1106	74				168	9		H8KC3Q	03	H8S83A	01	1	TT3	A3		04B				C06	
02804	J1106	74		J1107	14				168	9		H8KC3Q	04	H8S85A	01	4	T04	F2		35B				C06	
03217	J1107	14							168	9		H8KC3Q	05	H8S86A	01	1	TT3	B2		09A				C06	
01619	J1133	19		J1124	21				168	9		H8K000V	01	H8K000V	00	1	THI	B5		10B					
01620	J1124	21		J1124	23				168	9		H8K000V	02	H8C1A7V	01	1	R05	A7							
01621	J1124	23		J1121	23				168	9		H8K000V	03	H8C1A8V	01	1	R05	A8							
01622	J1121	23		J1121	21				168	9		H8K000V	04	H8C1B8V	01	1	R05	A8							
01623	J1121	21							168	9		H8K000V	05	H8C1B7V	01	1	R05	A7							
01624	J1133	70		J1124	47				168	9		H8K010V	01	H8K010V	00	1	THI	F3		34B					
01625	J1124	47		J1124	45				168	9		H8K010V	02	H8C2A8V	01	1	R05	B8							
01626	J1124	45		J1121	45				168	9		H8K010V	03	H8C2A7V	01	1	R05	B7							
01627	J1121	45		J1121	47				168	9		H8K010V	04	H8C2B7V	01	1	R05	B7							
01628	J1121	47							168	9		H8K010V	05	H8C2B8V	01	1	R05	B8							
01629	J1133	37		J1124	63				168	9		H8K020V	01	H8K020V	00	1	THI	C2		17A					
01630	J1124	63		J1124	65				168	9		H8K020V	02	H8C3A7V	01	1	R05	C7							
01631	J1124	65		J1121	65				168	9		H8K020V	03	H8C3A8V	01	1	R05	C8							
01632	J1121	65		J1121	63				168	9		H8K020V	04	H8C3B8V	01	1	R05	C8							
												****	SIGNAL	(H8K020V	IS ON THE	NEXT PAGE	****								

3-2879-1

RECORD NUMBER	FROM			TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT												SPEC INST
01633		J1121	63						168	9			HBK020V	05	HBC3B7V	01	1	RO5	C7				
01634		J1133	78	J1123	23				168	9			HBK030V	01	HBK030V	00	1	THI	F5		36A		
01635		J1123	23	J1123	21				168	9			HBK030V	02	HBC4A8V	01	1	RO5	A8				
01636		J1123	21	J1120	21				168	9			HBK030V	03	HBC4A7V	01	1	RO5	A7				
01637		J1120	21	J1120	23				168	9			HBK030V	04	HBC4B7V	01	1	RO5	A7				
01638		J1120	23						168	9			HBK030V	05	HBC4B8V	01	1	RO5	A8				
01639		J1133	30	J1123	45				168	9			HBK040V	01	HBK040V	00	1	THI	C4		14B		
01640		J1123	45	J1123	47				168	9			HBK040V	02	HBC5A7V	01	1	RO5	B7				
01641		J1123	47	J1120	47				168	9			HBK040V	03	HBC5A8V	01	1	RO5	B8				
01642		J1120	47	J1120	45				168	9			HBK040V	04	HBC5B8V	01	1	RO5	B8				
01643		J1120	45						168	9			HBK040V	05	HBC5B7V	01	1	RO5	B7				
01644		J1127	13	J1123	63				168	9			HBK050V	01	HBK050V	00	1	THI	A1		06A		
01645		J1123	63	J1123	65				168	9			HBK050V	02	HBC6A7V	01	1	RO5	C7				
01646		J1123	65	J1120	65				168	9			HBK050V	03	HBC6A8V	01	1	RO5	C8				
01647		J1120	65	J1120	63				168	9			HBK050V	04	HBC6B8V	01	1	RO5	C8				
01648		J1120	63						168	9			HBK050V	05	HBC6B7V	01	1	RO5	C7				
01649		J1133	42	J1122	23				168	9			HBK060V	01	HBK060V	00	1	THI	C6		18B		
01650		J1122	23	J1122	21				168	9			HBK060V	02	HBC7A8V	01	1	RO5	A8				
01651		J1122	21	J1119	21				168	9			HBK060V	03	HBC7A7V	01	1	RO5	A7				
01652		J1119	21	J1119	23				168	9			HBK060V	04	HBC7B7V	01	1	RO5	A7				
01653		J1119	23						168	9			HBK060V	05	HBC7B8V	01	1	RO5	A8				
01654		J1127	03	J1122	45				168	9			HBK070V	01	HBK070V	00	1	THI	A3		03A		
01655		J1122	45	J1122	47				168	9			HBK070V	02	HBC8A7V	01	1	RO5	B7				
01656		J1122	47	J1119	47				168	9			HBK070V	03	HBC8A8V	01	1	RO5	B8				
01657		J1119	47	J1119	45				168	9			HBK070V	04	HBC8B8V	01	1	RO5	B8				
01658		J1119	45						168	9			HBK070V	05	HBC8B7V	01	1	RO5	B7				
01659		J1133	80	J1122	65				168	9			HBK080V	01	HBK080V	00	1	THI	F1		38B		
01660		J1122	65	J1122	63				168	9			HBK080V	02	HBC9A8V	01	1	RO5	C8				
01661		J1122	63	J1119	63				168	9			HBK080V	03	HBC9A7V	01	1	RO5	C7				
01662		J1119	63	J1119	65				168	9			HBK080V	04	HBC9B7V	01	1	RO5	C7				
01663		J1119	65	J1109	17				168	9			HBK080V	05	HBC9B8V	01	1	RO5	C8			803	
02896		J1109	17						168	9			HBK080V	06	HBMXWA	01	2	TT3	B2		08B	803	
01668		J1113	62	J1103	51				168	9			HBLABA	01	HBLACO	01	1	TQ2	E2		29A		
01669		J1103	51						168	9			HBLABA	02	HBLABA	00	1	TQ2	D4		27B		
01670		J1115	37	J1113	60				168	9			HBLACO	01	HBLA22U	01	1	DBC	C2		17B		
01671		J1113	60	J1108	51				168	9			HBLACO	02	HBLACO	00	1	TQ2	E2		28A		
01672		J1108	51	J1108	37				168	9			HBLACO	03	HBLA32U	01	1	DBC	D2		25B		
01673		J1108	37						168	9			HBLACO	04	HBLA12U	01	1	DBC	C2		17B		
01674		J1113	64	J1109	64				168	9			HBLADA	01	HBLACO	01	2	TQ2	E2		30A		
01675		J1109	64						168	9			HBLADA	02	HBLADA	00	1	TT3	E1		30A		
									****		SIGNAL	(HBLAEA		IS ON THE									

DRAWING NUMBER **HL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBLAEA**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **46**

RECORD NUMBER	FROM				TO				WIRE			SHEET NO.	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
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01676		J1112	35		J1106	47		168	9			HBLAEA	01	HBLAE0V	01	1	THI	C2		18A			
01677		J1106	47		J1103	54		168	9			HBLAEA	02	HBLAEA	00	1	TD4	D1		25B			
01678		J1103	54					168	9			HBLAEA	03	HBLAFO	01	1	TQ2	D1		25A			
01679		J1112	37		J1103	48		168	9			HBLAE0V	01	HBLAE0V	00	1	THI	C2		17A			
01680		J1103	48					168	9			HBLAE0V	02	HBLAHA	01	1	TQ2	D2		22A			
03634		J1147	60		J1145	43		168	9			HBLAFO	0A				FTH					C01	
03566		J1145	43		J1109	56		168	9			HBLAFO	00				EXT					A01	
01681		J1109	56		J1103	52		168	9			HBLAFO	01	HBLAGA	01	3	TT3	D1		26A			
01682		J1103	52		J1132	56		168	9			HBLAFO	02	HBLAFO	00	1	TQ2	D1		24A		C01	
02974		J1132	56					168	9			HBLAFO	03	HBHAGA	01	8	TS8	D1		26A		C01	
01683		J1146	69		J1109	50		168	9			HBLAGA	01	HCDMMZ	03	6	EXT						
01684		J1109	50					168	9			HBLAGA	02	HBLAGA	00	1	TT3	D1		23A		(COMPARE DATA)*	
01685		J1113	47		J1103	46		168	9			HBLAHA	01	HBLAIO	01	1	TQ2	D4		25B			
01686		J1103	46					168	9			HBLAHA	02	HBLAHA	00	1	TQ2	D2		21A			
01687		J1112	34		J1105	52		168	9			HBLAIAV	01	HBLAIAV	00	1	THI	C3		15A			
01688		J1105	52					168	9			HBLAIAV	02	HBLAKP	01	1	TQ2	GP		24A			
01689		J1113	51		J1112	36		168	9			HBLAIO	01	HBLAIO	00	1	TQ2	D4		27B			
01690		J1112	36					168	9			HBLAIO	02	HBLAIAV	01	1	THI	C3		16A			
01691		J1112	30		J1109	47		168	9			HBLAJOV	01	HBLAJOV	00	1	THI	C4		14B			
01692		J1109	47					168	9			HBLAJOV	02	HBLHLA	01	2	TT3	D3		25B			
01693		J1105	47		J1104	64		168	9			HBLAKP	01	HBLAKP	00	1	TQ2	GP		25B		TEST CLOCK IN PRO	
01694		J1104	64		J1109	66		168	9			HBLAKP	02	HBLAKOV	01	1	THI	E1		33A			
01695		J1109	66		J1109	57		168	9			HBLAKP	03	HBLADA	01	1	TT3	E1		31A			
01696		J1109	57					168	9			HBLAKP	04	HBYPAPA	01	1	TT3	E3		30B			
01697		J1103	49		J1105	49		168	9			HBLAKQ	01	HBLABA	01	2	TQ2	D4		26B			
01698		J1105	49		J1108	63		168	9			HBLAKQ	02	HBLAKQ	00	1	TQ2	GQ		26B			
01699		J1108	63		J1108	50		168	9			HBLAKQ	03	HBLA31U	01	5	DBC	D1		31A			
01700		J1108	50		J1115	50		168	9			HBLAKQ	04	HBLA11U	01	5	DBC	C1		24A			
01701		J1115	50					168	9			HBLAKQ	05	HBLA21U	01	5	DBC	C1		24A			
01702		J1104	66		J1103	56		168	9			HBLAKOV	01	HBLAKOV	00	1	THI	E1		32A			
01703		J1103	56		J1106	56		168	9			HBLAKOV	02	HBLAFO	01	2	TQ2	D1		26A			
01704		J1106	56		J1145	42		168	9			HBLAKOV	03	HBLAEA	01	4	TD4	D1		26A		A01	
03565		J1145	42					168	9			HBLAKOV	04				EXT					A01	
01708		J1109	43		J1117	05		168	9			HBLAMA	01	HBLAMA	00	1	TT3	D2		23B		A01	
01710		J1117	05		J1117	13		168	9			HBLAMA	02	HBCP2A	01	2	TQ2	A2		03B		A01	
01711		J1117	13		J1117	19		168	9			HBLAMA	03	HBCP4A	01	2	TQ2	A4		06B		A01	
01712		J1117	19		J1117	20		168	9			HBLAMA	04	HBCP7A	01	2	TQ2	B3		09B		A01	
01713		J1117	20		J1117	26		168	9			HBLAMA	05	HBCP6A	01	2	TQ2	B2		11A		A01	
01714		J1117	26		J1117	25		168	9			HBLAMA	06	HBCP5A	01	2	TQ2	B1		14A		A01	
								****		SIGNAL	(HBLAMA		IS ON THE									NEXT PAGE	****

DRAWING NUMBER WL10281452										STRING		UNIT ASSEMBLY NO. 10281452			REV F	INDEX HBLAMA								
UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS												FILE IDENT TSQ3MTSL			DATE 09-01-82	PAGE 47								
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT												SPEC INST WIRE
01715		J1117	25		J1117	31				16B	9		HBLAMA	07	HBCP8A	01 2	TQ2	B4			12B		A01	
01716		J1117	31		J1117	36				16B	9		HBLAMA	08	HBPP2A	01 2	TQ2	C3			15B		A01	
01717		J1117	36		J1117	37				16B	9		HBLAMA	09	HBPP1A	01 2	TQ2	C2			17A		A01	
01718		J1117	37							16B	9		HBLAMA	10	HBPP3A	01 2	TQ2	C4			18B		C05	
01720		J1115	47		J1108	36				16B	9		HBLA15U	01	HBLA23U	01 1	DBC	C3			23A			
01721		J1108	36		J1106	49				16B	9		HBLA15U	02	HBLA15U	00 1	DBC	C5			17A			
01722		J1106	49		J1112	47				16B	9		HBLA15U	03	HBLAEA	01 1	TD4	D1			26B		C01	
01229		J1112	47							16B	9		HBLA15U	32	HBLNAAV	01 1	THI	D2			24A		C01	
02835		J1108	64		J1106	52				16B	9		HBLA25U	01	HBLA34U	01 1	DBC	D4			30A		B01	
01724		J1106	52		J1115	36				16B	9		HBLA25U	02	HBLAEA	01 2	TD4	D1			24A			
01725		J1115	36							16B	9		HBLA25U	03	HBLA25U	00 1	DBC	C5			17A			
01726		J1108	52		J1106	54				16B	9		HBLA35U	01	HBLA35U	00 1	DBC	D5			25A			
01727		J1106	54							16B	9		HBLA35U	02	HBLAEA	01 3	TD4	D1			25A			
01732		J1147	42		J1113	80				16B	9		HBLDC0	01				FTH						
01733		J1113	80							16B	9		HBLDC0	02	HBLDC0	00 1	TQ2	F4			39A			
02673		J1139	05		J1145	80				16B	9		HBLFTA6	01				DR1	A1					C01
03603		J1145	80							16B	9		HBLFTA6	02				EXT						C01
01737		J1109	51		J1112	33				16B	9		HBLHLA	01	HBLHLA	00 1	TT3	D3			27B		A01	
01707		J1112	33							16B	9		HBLHLA	02	HBLHLOV	01 1	THI	C5			17B		A01	
01709		J1112	31		J1117	42				16B	9		HBLHLOV	01	HBLHLOV	00 1	THI	C5			16B	POS CP	A01	
01736		J1117	42		J1117	10				16B	9		HBLHLOV	02	HBCP9A	01 2	TQ2	C1			20A		A01	
01735		J1117	10		J1117	07				16B	9		HBLHLOV	03	HBCP1A	01 2	TQ2	A1			07A		A01	
01734		J1117	07		J1117	41				16B	9		HBLHLOV	04	HBCP3A	01 2	TQ2	A3			03A		A01	
02939		J1117	41		J1142	11				16B	9		HBLHLOV	05	HBNBCA	01 1	TQ2	D3			22B		B02	
00822		J1142	11		J1142	59				16B	9		HBLHLOV	06	HBCPOA	01 1	TQ2	A4			05B		B02	
03039		J1142	59		J1134	78				16B	9		HBLHLOV	07	HBCPAA	01 1	TQ2	E4			31B		B03	
02989		J1134	78							16B	9		HBLHLOV	08	HBCK8A	01 2	TQ2	F4			38A		B03	
01228		J1112	49		J1104	41				16B	9		HBLNAAV	01	HBLNAAV	00 1	THI	D2			23A	STROBE ADR CONT	ECO1	
02717		J1104	41							16B	9		HBLNAAV	02	HBLNAOV	01 1	THI	D4			23B		C01	
03686		J1104	46		J1108	61				16B	9		HBLNAOV	01	HBLNAOV	00 1	THI	D4			22B		C01	
01723		J1108	61							16B	9		HBLNAOV	02	HBLA33U	01 1	DBC	D3			31B		C01	
03762		J1116	14		J1109	18				16B	9		HBMWCOV	01	HBMWCOV	00 1	THI	B4			08B		B03	
02920		J1109	18							16B	9		HBMWCOV	02	HBMXWA	01 3	TT3	B2			10A		B03	
03756		J1115	30		J1116	17				16B	9		HBMWC3T	01	HBMWC3T	00 1	DBC	B4			15A		B03	
02824		J1116	17							16B	9		HBMWC3T	02	HBMWCOV	01 1	THI	B4			09B		B03	
03761		J1116	10		J1109	14				16B	9		HBMXCOV	01	HBMXCOV	00 1	THI	A6			06B		B03	
02826		J1109	14							16B	9		HBMXCOV	02	HBMXWA	01 1	TT3	B2			09A		B03	
										****	SIGNAL	(HBMXC4T	IS ON THE	NEXT PAGE	****									

DRAWING NUMBER **HL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F**
 DATE **09-01-82**

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTORY	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	INTC	PREFIX	CONNECTOR	PIN	INTC	MULTI GROUP	CODE	COLOR	IDENT											
03748		J1115	17		J1116	15				168	9		HBMXC4T	01	HBMXC4T	00	1	DBC	A5		088		803
02825		J1116	15							168	9		HBMXCOV	02	HBMXCOV	01	1	THI	A6		078		803
03707		J1109	19		J1108	57				168	9		HBMXWA	01	HBMXWA	00	1	TT3	B2		098		803
01665		J1108	57							168	9		HBMXWA	02	HBLA31U	01	3	DBC	D1		298		803
01738		J1125	53		J1118	38				168	9		HBMYA1V1	01	HBMYB1U	01	1	DBC	D1		268		
01739		J1118	38		J1111	62				168	9		HBMYA1V1	02				RR1	C5				
01740		J1111	62							168	9		HBMYA1V1	03	HBMYA1V1	00	1	RO5	C1		T17		
01741		J1125	55		J1118	36				168	9		HBMYA2V1	01	HBMYB1U	01	2	DBC	D1		278		
01742		J1118	36		J1111	64				168	9		HBMYA2V1	02				RR1	C6				
01743		J1111	64							168	9		HBMYA2V1	03	HBMYA2V1	00	1	RO5	C2		T18		
01744		J1125	57		J1118	35				168	9		HBMYA3V1	01	HBMYB1U	01	3	DBC	D1		298		
01745		J1118	35		J1111	66				168	9		HBMYA3V1	02				RR1	D1				
01746		J1111	66							168	9		HBMYA3V1	03	HBMYA3V1	00	1	RO5	C3		T19		
01747		J1125	59		J1118	37				168	9		HBMYA4V1	01	HBMYB1U	01	4	DBC	D1		308		
01748		J1118	37		J1111	68				168	9		HBMYA4V1	02				RR1	D2				
01749		J1111	68							168	9		HBMYA4V1	03	HBMYA4V1	00	1	RO5	C4		T21		
01750		J1111	70		J1115	71				168	9		HBMYA5V1	01	HBMYA5V1	00	1	RO5	C5		T20		
01751		J1115	71		J1118	39				168	9		HBMYA5V1	02	HBMYC1U	01	1	DBC	E1		338		
01752		J1118	39							168	9		HBMYA5V1	03				RR1	D3				
01753		J1111	72		J1115	73				168	9		HBMYA6V1	01	HBMYA6V1	00	1	RO5	C6		T22		
01754		J1115	73		J1118	40				168	9		HBMYA6V1	02	HBMYC1U	01	2	DBC	E1		348		
01755		J1118	40							168	9		HBMYA6V1	03				RR1	D4				
01756		J1111	74		J1118	42				168	9		HBMYA7V1	01	HBMYA7V1	00	1	RO5	C7		T23		
01757		J1118	42							168	9		HBMYA7V1	02				RR1	D5				
01758		J1111	76		J1118	46				168	9		HBMYA8V1	01	HBMYA8V1	00	1	RO5	C8		T24		
01759		J1118	46							168	9		HBMYA8V1	02				RR1	D6				
02817		J1115	04		J1114	03				168	9		HBMYB1U	001	HBMXCOT	01	1	DBC	A1		02A		803
01760		J1114	03		J1112	64				168	9		HBMYB1U	01	HBHAAER	01	1	EOR	A1		03B		
01761		J1112	64		J1125	54				168	9		HBMYB1U	02	HBMY1AV	01	1	THI	E1		33A		
01762		J1125	54							168	9		HBMYB1U	03	HBMYB1U	00	1	DBC	D1		26A		
02898		J1115	06		J1114	09				168	9		HBMYB2U	001	HBMXC1T	01	1	DBC	A2		03A		803
01763		J1114	09		J1112	61				168	9		HBMYB2U	01	HBHABER	01	1	EOR	A2		06B		
01764		J1112	61		J1125	56				168	9		HBMYB2U	02	HBMY2AV	01	1	THI	E2		31A		
01765		J1125	56							168	9		HBMYB2U	03	HBMYB2U	00	1	DBC	D2		28B		
02918		J1115	03		J1114	14				168	9		HBMYB3U	001	HBMXC2T	01	1	DBC	A3		02B		803
01766		J1114	14		J1112	62				168	9		HBMYB3U	01	HBHACER	01	1	EOR	A3		06A		
01767		J1112	62		J1125	60				168	9		HBMYB3U	02	HBMY3AV	01	1	THI	E3		29A		
01768		J1125	60							168	9		HBMYB3U	03	HBMYB3U	00	1	DBC	D3		28A		

DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV DATE		INDEX PAGE						
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		F 09-01-82		HBMYB3U 49						
RECORD NUMBER	FROM				TO				WIRE		SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	SH FT	PREFIX	CONNECTOR	PIN	OR	MULTI GROUP	CODE												COLOR
02823		J1115	20		J1114	06				168	9	HBMYB4U	001	HBMWCOT	01	1	DBC	B1	10A		803	
01769		J1114	06		J1112	55				168	9	HBMYB4U	01	HBHADER	01	1	EOR	A4	03A			
01770		J1112	55		J1125	62				168	9	HBMYB4U	02	HBMY4AV	01	1	THI	E4	29B			
01771		J1125	62							168	9	HBMYB4U	03	HBMYB4U	00	1	DBC	D4	29A			
01772		J1125	52		J1115	79				168	9	HBMYB5U	01	HBMYB5U	00	1	DBC	D5	25A			
01773		J1115	79							168	9	HBMYB5U	02	HBMYC3U	01	1	DBC	E3	37B			
01774		J1115	70		J1112	59				168	9	HBMYC1U	01	HBMYC1U	00	1	DBC	E1	34A			
01775		J1112	59		J1114	17				168	9	HBMYC1U	02	HBMY5AV	01	1	THI	E5	31B			
01776		J1114	17		J1103	41				168	9	HBMYC1U	03	HBHAEER	01	1	EOR	B1	09B		803	
00600		J1103	41							168	9	HBMYC1U	04	HBMY1A	01	1	TQ2	O3	22B		C01	
01777		J1115	72		J1112	65				168	9	HBMYC2U	01	HBMYC2U	00	1	DBC	E2	35A			
01778		J1112	65		J1114	23				168	9	HBMYC2U	02	HBMY6AV	01	1	THI	E6	33B			
01779		J1114	23		J1117	48				168	9	HBMYC2U	03	HBHAFER	01	1	EOR	B2	12B		803	
01728		J1117	48							168	9	HBMYC2U	04	HBMY2A	01	1	TQ2	D2	22A		803	
01780		J1125	63		J1115	80				168	9	HBMYLA	01	HBMYB1U	01	5	DBC	D1	31A			
01781		J1115	80		J1113	69				168	9	HBMYLA	02	HBMYC1U	01	5	DBC	E1	38B			
01782		J1113	69							168	9	HBMYLA	03	HBMYLA	00	1	TQ2	F3	35A			
01783		J1105	75		J1104	77				168	9	HBMYRAV	01	HBMYTP	00	1	TDD	LP	37B			
01784		J1104	77							168	9	HBMYRAV	02	HBMYRAV	00	1	THI	F6	38A			
01785		J1104	75		J1103	80				168	9	HBMYRO	01	HBMYRAV	01	1	THI	F6	39A			
01786		J1103	80							168	9	HBMYRO	02	HBMYRO	00	1	TQ2	F4	39A			
01787		J1113	65		J1109	62				168	9	HBMYTP	01	HBMYLA	01	1	TQ2	F3	34B			
01788		J1109	62		J1105	76				168	9	HBMYTP	02	HBYPBA	01	3	TT3	E2	29A			
01789		J1105	76							168	9	HBMYTP	03	HBMYTP	00	1	TDD	LP	37A			
01790		J1109	61		J1105	78				168	9	HBMYTQ	01	HBYPBA	01	3	TT3	E3	32B			
01791		J1105	78							168	9	HBMYTQ	02	HBMYTQ	00	1	TDD	LQ	38A			
01792		J1146	20		J1116	38				168	9	HBMY1AV	01	HCDMMZ	02	2	EXT					
01793		J1116	38		J1116	35				168	9	HBMY1AV	02	HBYA10V	01	1	THI	C1	20A			
01794		J1116	35		J1112	66				168	9	HBMY1AV	03	HBYP10V	01	1	THI	C2	18A			
01795		J1112	66							168	9	HBMY1AV	04	HBMY1AV	00	1	THI	E1	32A			
01796		J1146	21		J1116	29				168	9	HBMY2AV	01	HCDMMZ	02	3	EXT					
01797		J1116	29		J1116	36				168	9	HBMY2AV	02	HBYP20V	01	1	THI	C4	15B			
01798		J1116	36		J1112	63				168	9	HBMY2AV	03	HBYP20V	01	1	THI	C3	16A			
01799		J1112	63							168	9	HBMY2AV	04	HBMY2AV	00	1	THI	E2	30A			
01800		J1146	22		J1116	33				168	9	HBMY3AV	01	HCDMMZ	02	4	EXT					
01801		J1116	33		J1116	39				168	9	HBMY3AV	02	HBYP30V	01	1	THI	C5	17B			
01802		J1116	39		J1112	60				168	9	HBMY3AV	03	HBYP30V	01	1	THI	C6	19B			
										****	SIGNAL	HBMY3AV		IS ON THE							NEXT PAGE	****

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBMY3AV**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **50**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FAC	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
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01803		J1112	60						16B	9			HBMY3AV	04	HBMY3AV	00	1	THI	E3		28A			
01804		J1146	23		J1116	47			16B	9			HBMY4AV	01	HCDMMZ	02	5	EXT						
01805		J1116	47		J1116	52			16B	9			HBMY4AV	02	HBYP40V	01	1	THI	D2		24A			
01806		J1116	52		J1112	56			16B	9			HBMY4AV	03	HBYP40V	01	1	THI	D1		24A			
01807		J1112	56						16B	9			HBMY4AV	04	HBMY4AV	00	1	THI	E4		28B			
01808		J1146	24		J1116	41			16B	9			HBMY5AV	01	HCDMMZ	02	6	EXT						
01809		J1116	41		J1116	50			16B	9			HBMY5AV	02	HBYP50V	01	1	THI	D4		23B			
01810		J1116	50		J1112	57			16B	9			HBMY5AV	03	HBYP50V	01	1	THI	D3		22A			
01811		J1112	57						16B	9			HBMY5AV	04	HBMY5AV	00	1	THI	E5		30B			
01812		J1146	25		J1116	45			16B	9			HBMY6AV	01	HCDMMZ	02	7	EXT						
01813		J1116	45		J1116	51			16B	9			HBMY6AV	02	HBYP60V	01	1	THI	D5		25B			
01814		J1116	51		J1112	68			16B	9			HBMY6AV	03	HBYP60V	01	1	THI	D6		27B			
01815		J1112	68						16B	9			HBMY6AV	04	HBMY6AV	00	1	THI	E6		32B			
03778		J1117	45		J1147	45			16B	9			HBNBCA	01	HBNBCA	00	1	TQ2	D3		24B		A01	
03619		J1147	45						16B	9			HBNBCA	02				FTH						A01
01729		J1103	45		J1116	22			16B	9			HBNY1A	01	HBNY1A	00	1	TQ2	D3		24B		C01	
02820		J1116	22						16B	9			HBNY1A	02	HBNY10V	01	1	THI	B1		14A		B03	
03765		J1116	24		J1115	22			16B	9			HBNY10V	01	HBNY10V	00	1	THI	B1		13A		B03	
02897		J1115	22						16B	9			HBNY10V	02	HBMWC1T	01	1	DBC	B2		11A		B03	
01667		J1117	46		J1116	23			16B	9			HBNY2A	01	HBNY2A	00	1	TQ2	D2		21A		B03	
02821		J1116	23						16B	9			HBNY2A	02	HBNY20V	01	1	THI	B2		12A		B03	
03766		J1116	25		J1115	19			16B	9			HBNY20V	01	HBNY20V	00	1	THI	B2		11A		B03	
02919		J1115	19						16B	9			HBNY20V	02	HBMWC2T	01	1	DBC	B3		09B		B03	
01816		J1146	72		J1135	19			16B	9			HBPPNR	01	HCDMMZ	04	2	EXT						
01817		J1135	19		J1134	20			16B	9			HBPPNR	02	HBPPNR	00	1	TT3	B2		09B		(PROBE POWER ON)*	
01818		J1134	20						16B	9			HBPPNR	03	HBPPNS	01	2	TQ2	B2		11A			
01819		J1135	14		J1134	14			16B	9			HBPPNS	01	HBPPNR	01	1	TT3	B2		09A			
01820		J1134	14						16B	9			HBPPNS	02	HBPPNS	00	1	TQ2	B2		09A			
03812		J1140	33		J1135	75			16B	9			HBRCP	01	HBRCP	00	1	TOD	FP		16B		B02	
01307		J1135	75		J1135	45			16B	9			HBRCP	02	HBJA10	01	1	TT3	F1		37B		B02	
03001		J1135	45		J1134	48			16B	9			HBRCP	03	HBJAHR	01	1	TT3	D3		24B		B02	
01308		J1134	48						16B	9			HBRCP	04	HBS2A0	01	1	TQ2	D2		22A		B02	
02903		J1140	38		J1147	08			16B	9			HBRM10V	00	HBC3P	01	1	TOD	EP		18A		A01	
01821		J1147	08		J1131	21			16B	9			HBRM10V	01				FTH						
01822		J1131	21		J1131	23			16B	9			HBRM10V	02	HBHB17V101	1	1	R05	A7					
01823		J1131	23		J1131	65			16B	9			HBRM10V	03	HBHB18V101	1	1	R05	A8					
01824		J1131	65		J1131	63			16B	9			HBRM10V	04	HBKB18V101	1	1	R05	C8					
01825		J1131	63		J1104	54			16B	9			HBRM10V	05	HBKB17V101	1	1	R05	C7					
												****	SIGNAL	(HBRM10V)	IS ON THE				****	NEXT PAGE				****

DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE					
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		HBRM10V 51					
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACT	CCT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	SN TO	MULTI GROUP	CODE												COLOR
01826		J1104	54						16B	9		HBRM10V	06	HBRM10V	00	1	THI	D1	25A	ENA 1	
01827		J1105	77		J1104	49			16B	9		HBRM30V	01	HBMYTI	01	1	TDD	LI	38B		
01828		J1104	49		J1109	53			16B	9		HBRM30V	02	HBRM30V	00	1	THI	D2	23A	ENA 3	
01829		J1109	53		J1111	47			16B	9		HBRM30V	03	HBYBPA	01	1	TT3	E2	28B		
01830		J1111	47		J1111	45			16B	9		HBRM30V	04	HBT218V1	01	1	RO5	B8			
01831		J1111	45		J1111	63			16B	9		HBRM30V	05	HBT217V1	01	1	RO5	B7			
01832		J1111	63		J1111	65			16B	9		HBRM30V	06	HBMYA7V1	01	1	RO5	C7			
01833		J1111	65		J1113	74			16B	9		HBRM30V	07	HBMYA8V1	01	1	RO5	C8			
01834		J1113	74		J1130	71			16B	9		HBRM30V	08	HBMYLEA	01	2	TQ2	F3	35B		801
01905		J1130	71						16B	9		HBRM30V	09	HBSA1I	01	1	TDD	MI	36A		801
01835		J1134	64		J1134	70			16B	9		HBRSAAV	01	HBRSS0	01	2	TQ2	E2	30A		
01836		J1134	70		J1141	68			16B	9		HBRSAAV	02	HBRSS0	01	2	TQ2	E1	33A		
01837		J1141	68		J1142	49			16B	9		HBRSAAV	03	HBRSAAV	00	1	THI	E6	32B		
01838		J1142	49		J1142	50			16B	9		HBRSAAV	04	HBRSS0	01	2	TQ2	D4	26B		
01839		J1142	50		J1142	43			16B	9		HBRSAAV	05	HBRSS0	01	2	TQ2	D2	23A		
01840		J1142	43		J1142	10			16B	9		HBRSAAV	06	HBRSS0	01	2	TQ2	D3	23B		804
01986		J1142	10						16B	9		HBRSAAV	07	HBRSS0	01	2	TQ2	A1	07A		804
01841		J1141	80		J1142	70			16B	9		HBRBBAV	01	HBRSS0	00	1	THI	F1	38B		
01842		J1142	70		J1134	55			16B	9		HBRBBAV	02	HBRSS0	01	2	TQ2	E1	33A		C06
01844		J1134	55		J1134	61			16B	9		HBRBBAV	04	HBRSS0	01	2	TQ2	E3	29B		
01845		J1134	61		J1126	48			16B	9		HBRBBAV	05	HBRSS0	01	2	TQ2	E4	32B		C06
02211		J1126	48						16B	9		HBRBBAV	06	HBBTER	01	3	TT3	D2	22A		C06
03823		J1141	77		J1140	04			16B	9		HBRSCAV	01	HBRSCAV	00	1	THI	F6	38A		804
03033		J1140	04						16B	9		HBRSCAV	02	HBSTCP	01	1	TDD	BP	04A		804
01226		J1142	06		J1141	75			16B	9		HBRSCO	01	HBRSCO	00	1	TQ2	A1	05A	FIRE 20 M/S O/S	804
03042		J1141	75						16B	9		HBRSCO	02	HBRSCAV	01	1	THI	F6	39A		804
01847		J1141	57		J1140	75			16B	9		HBRSOAV	01	HBRSOAV	00	1	THI	E5	30B		
01848		J1140	75						16B	9		HBRSOAV	02	HBSTOP	01	1	TDD	LP	37B		
03230		J1107	27		J1141	59			16B	9		HBRSO0	01	HBRSO0	00	1	TT3	B3	13B		C06
01850		J1141	59						16B	9		HBRSO0	02	HBRSOAV	01	1	THI	E5	31B		
01851		J1141	66		J1140	52			16B	9		HBRSS2AV	01	HBRSS2AV	00	1	THI	E1	32A		
01852		J1140	52						16B	9		HBRSS2AV	02	HBST2P	01	1	TDD	GP	24A		
01853		J1142	46		J1141	64			16B	9		HBRSS20	01	HBRSS20	00	1	TQ2	D2	21A		
01854		J1141	64						16B	9		HBRSS20	02	HBRSS2AV	01	1	THI	E1	33A		
01855		J1133	53		J1130	52			16B	9		HBRSS3AV	01	HBRSS3AV	00	1	THI	D6	26B		
01856		J1130	52						16B	9		HBRSS3AV	02	HBST3P	01	1	TDD	GP	24A		
01857		J1134	66		J1133	51			16B	9		HBRSS30	01	HBRSS30	00	1	TQ2	E1	31A		
01858		J1133	51						16B	9		HBRSS30	02	HBRSS3AV	01	1	THI	D6	27B		
									****		SIGNAL	{HBRSS4AV		IS ON THE		NEXT PAGE	****				

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

STRING

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBR54AV**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **52**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	SH. P.	PREFIX	CONNECTOR	PIN	SH. P.	MULTI GROUP	CODE	COLOR	IDENT											
01859		J1141	63		J1140	50			168	9			HBR54AV	01	HBR54AV	00	1	THI	E2		30A		
01860		J1140	50						168	9			HBR54AV	02	HBST4P	01	1	TDD	HP		23A		
01861		J1142	45		J1141	61			168	9			HBR540	01	HBR540	00	1	TQ2	D3		24B		
01862		J1141	61						168	9			HBR540	02	HBR54AV	01	1	THI	E2		31A		
01863		J1133	66		J1130	50			168	9			HBR55AV	01	HBR55AV	00	1	THI	E1		32A		
01864		J1130	50						168	9			HBR55AV	02	HBST5P	01	1	TDD	HP		23A		
01865		J1134	60		J1133	64			168	9			HBR550	01	HBR550	00	1	TQ2	E2		28A		
01866		J1133	64						168	9			HBR550	02	HBR55AV	01	1	THI	E1		33A		
01867		J1141	60		J1140	66			168	9			HBR56AV	01	HBR56AV	00	1	THI	E3		28A		
01868		J1140	66						168	9			HBR56AV	02	HBST6P	01	1	TDD	JP		31A		
01869		J1142	51		J1141	62			168	9			HBR560	01	HBR560	00	1	TQ2	D4		27B		
01870		J1141	62						168	9			HBR560	02	HBR56AV	01	1	THI	E3		29A		
01871		J1133	63		J1130	66			168	9			HBR57AV	01	HBR57AV	00	1	THI	E2		30A		
01872		J1130	66						168	9			HBR57AV	02	HBST7P	01	1	TDD	JP		31A		
01873		J1134	57		J1133	61			168	9			HBR570	01	HBR570	00	1	TQ2	E3		30B		
01874		J1133	61						168	9			HBR570	02	HBR57AV	01	1	THI	E2		31A		
01875		J1141	56		J1140	64			168	9			HBR58AV	01	HBR58AV	00	1	THI	E4		28B		
01876		J1140	64						168	9			HBR58AV	02	HBST8P	01	1	TDD	KP		30A		
01877		J1142	66		J1141	55			168	9			HBR580	01	HBR580	00	1	TQ2	E1		31A		
01878		J1141	55						168	9			HBR580	02	HBR58AV	01	1	THI	E4		29B		
01879		J1133	60		J1130	64			168	9			HBR59AV	01	HBR59AV	00	1	THI	E3		28A		
01880		J1130	64						168	9			HBR59AV	02	HBST9P	01	1	TDD	KP		30A		
01881		J1134	63		J1133	62			168	9			HBR590	01	HBR590	00	1	TQ2	E4		33B		
01882		J1133	62						168	9			HBR590	02	HBR59AV	01	1	THI	E3		29A		
01883		J1132	71		J1127	71			168	9			HBSAAV	01	HBSA10	01	1	TS8	F1		36A		
01884		J1127	71						168	9			HBSAAV	02	HBSAAV	00	1	THI	F2		36B		
01885		J1132	72		J1127	70			168	9			HBSABAV	01	HBSA10	01	2	TS8	F1		34A		
01886		J1127	70						168	9			HBSABAV	02	HBSABAV	00	1	THI	F3		34B		
01887		J1132	73		J1127	72			168	9			HBSACAV	01	HBSA10	01	3	TS8	F1		36B		
01888		J1127	72						168	9			HBSACAV	02	HBSACAV	00	1	THI	F4		34A		
01889		J1132	74		J1127	78			168	9			HBSADAV	01	HBSA10	01	4	TS8	F1		35B		
01890		J1127	78						168	9			HBSADAV	02	HBSADAV	00	1	THI	F5		36A		
01891		J1132	75		J1127	77			168	9			HBSAEAV	01	HBSA10	01	5	TS8	F1		37B		
01892		J1127	77						168	9			HBSAEAV	02	HBSAEAV	00	1	THI	F6		38A		

DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT *		REV F DATE		INDEX PAGE		HBSAEAV 53			
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82							
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	SR %	MULTI GROUP	CODE	COLOR											
01893		J1132	77		J1112	72			16B	9		HBSAFV	01	HBSA10	01	6	TS8	F1		38B	
01894		J1112	72						16B	9		HBSAFV	02	HBSAFV	00	1	THI	F4		34A	
01895		J1132	78		J1112	78			16B	9		HBSAGV	01	HBSA10	01	7	TS8	F1		38A	
01896		J1112	78						16B	9		HBSAGV	02	HBSAGV	00	1	THI	F5		36A	
01897		J1132	79		J1112	77			16B	9		HBSHAV	01	HBSA10	01	8	TS8	F1		39B	
01898		J1112	77						16B	9		HBSHAV	02	HBSHAV	00	1	THI	F6		38A	
01899		J1135	70		J1132	76			16B	9		HBSA10	01	HBSAJA	01	3	TT3	E1		33A	
01900		J1132	76						16B	9		HBSA10	02	HBSA10	00	1	TS8	F1		37A	
01901		J1135	64		J1132	24			16B	9		HBSAJA	01	HBSAJA	00	1	TT3	E1		30A	SELF TEST ERR
02519		J1132	24		J1128	56			16B	9		HBSAJA	03	HBJAB0	01	6	TS8	B1		13A	C06
01467		J1128	56						16B	9		HBSAJA	04	HBJPW0	01	2	TQ2	D1		26A	B02
01904		J1147	23		J1112	43			16B	9		HBSAKV	01			1	FTH				B01
01906		J1112	43		J1104	47			16B	9		HBSAKV	03	HBSAKV	00	1	THI	D5		24B	
01907		J1104	47		J1104	52			16B	9		HBSAKV	04	HBRM30V	01	1	THI	D2		24A	
01908		J1104	52						16B	9		HBSAKV	05	HBRM10V	01	1	THI	D1		26A	
01909		J1104	61		J1103	60			16B	9		HBSALA	01	HBSAMOV	01	1	THI	E2		31A	
01910		J1103	60						16B	9		HBSALA	02	HBSALA	00	1	TQ2	E2		28A	LOAD SELF TEST CO
01911		J1130	69		J1110	66			16B	9		HBSA1P	01	HBSA1P	00	1	TDD	MP		35A	(FUNCTION TEST)*
01912		J1110	66		J1110	54			16B	9		HBSA1P	02	HBTD22E	01	2	TS4	E3		32A	
01913		J1110	54						16B	9		HBSA1P	03	HBTD12E	01	2	TS4	D3		25A	
01914		J1130	74		J1110	50			16B	9		HBSA1Q	01	HBSA1Q	00	1	TDD	MQ		35B	
01915		J1110	50		J1110	62			16B	9		HBSA1Q	02	HBTD11E	01	2	TS4	D2		23A	
01916		J1110	62		J1105	68			16B	9		HBSA1Q	03	HBTD21E	01	2	TS4	E2		30A	
01917		J1105	68		J1103	62			16B	9		HBSA1Q	04	HBSA21	01	1	TDD	J1		32A	
01918		J1103	62						16B	9		HBSA1Q	05	HBSALA	01	1	TQ2	E2		29A	
01919		J1105	59		J1103	64			16B	9		HBSA2P	01	HBSA2P	00	1	TDD	JP		31B	
01920		J1103	64						16B	9		HBSA2P	02	HBSALA	01	2	TQ2	E2		30A	
03210		J1107	07		J1134	34			16B	9		HBSB1A	01	HBSB1A	00	1	TT3	A2		03A	C06
01937		J1134	34						16B	9		HBSB1A	02	HBSB20	01	1	TQ2	C2		16A	C06
03214		J1107	11		J1134	30			16B	9		HBSB20	01	HBSB3A	01	2	TT3	A3		05B	C06
01523		J1134	30						16B	9		HBSB20	02	HBSB20	00	1	TQ2	C2		15A	C06
03218		J1107	15		J1140	51			16B	9		HBSB3A	01	HBSB3A	00	1	TT3	A3		07B	C06
01995		J1140	51						16B	9		HBSB3A	02	HBST2Q	01	1	TDD	GQ		27B	C06
03223		J1107	20		J1130	48			16B	9		HBSB40	01	HBSB40	00	1	TT3	B1		11A	C06
01957		J1130	48		J1135	37			16B	9		HBSB40	02	HBST5I	01	1	TDD	HI		22A	C06
										****	SIGNAL	(HBSB40)	IS ON THE	NEXT PAGE	****						

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DRAWING NUMBER WL10281452
UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

STRING

UNIT ASSEMBLY NO. 10281452
FILE IDENT TSQ3MTSL

REV F
DATE 09-01-82

INDEX HBSB40
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RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR											
01956		J1135	37						168	9								18B		C06
03705		J1106	69		J1107	24			168	9								35A		C06
03227		J1107	24						168	9								13A		C06
03222		J1107	19		J1140	80			168	9								09B		C06
02996		J1140	80						168	9								39A		C06
03234		J1107	31		J1128	79			168	9								15B		C06
02993		J1128	79						168	9								39B		C06
03239		J1107	36		J1142	77			168	9								17A		C06
00985		J1142	77						168	9								38B		C06
03277		J1107	74		J1130	80			168	9								35B		C06
01846		J1130	80						168	9								39A		C06
03274		J1107	71		J1128	75			168	9								36A		C06
03804		J1128	75						168	9								37B		C06
03800		J1126	39		J1106	22			168	9								19B		E07
02777		J1106	22		J1106	19			168	9								12A		E07
02784		J1106	19						168	9								09B		E07
03700		J1106	21		J1113	68			168	9								10B		E07
02079		J1113	68						168	9								32A		E07
03799		J1126	36		J1106	14			168	9								17A		E07
02776		J1106	14						168	9								09A		E07
03810		J1140	09		J1109	05			168	9								04B		C06
03870		J1109	05		J1105	36			168	9								03B		C06
02724		J1105	36						168	9								17A		C06
02205		J1126	46		J1140	76			168	9								21A		C06
01921		J1140	76		J1141	51			168	9								37A		C06
01922		J1141	51		J1134	59			168	9								27B		C06
01923		J1134	59		J1132	70			168	9								31B		C06
02762		J1132	70						168	9								33A		B04
01926		J1130	30		J1140	78			168	9								15A		C06
01927		J1140	78		J1107	13			168	9								38A		C06
03216		J1107	13		J1106	71			168	9								06B		C06
02832		J1106	71		J1107	38			168	9								36A		C06
03241		J1107	38						168	9								18A		C06
03914		J1141	53		J1145	22			168	9								26B	SYSTEM PWR ON -	SA01
03545		J1145	22						168	9										A01
01931		J1127	39		J1117	53			168	9								19B		E08
									***	SIGNAL	(HBS1AV	IS ON THE	NEXT PAGE	***						

DRAWING NUMBER UNIT ASSEMBLY NAME		ML10281452 CARD CAGE WIRED LH MTS										STRING		UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		HBST7Q 97			
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FAC	CHK OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI BROW	COLOR	IDENT	SEC IDENT											
03921	J1133	48			J1145	13			16B	9			HBST70V	01	HBST70V	00	1	THI	D3		21A	FUNCT TEST - ST7	A01
03536	J1145	13							16B	9			HBST70V	02				EXT					A01
01978	J1141	45			J1140	57			16B	9			HBST8P	01	HBST80V	01	1	THI	D5		25B		
01979	J1140	57			J1134	53			16B	9			HBST8P	02	HBST8P	00	1	TDD	KP		30B		
01980	J1134	53			J1135	17			16B	9			HBST8P	03	HBRST0	01	1	TQ2	E3		28B		
01981	J1135	17			J1132	66			16B	9			HBST8P	04	HBPPNR	01	2	TT3	B2		08B		B04
02750	J1132	66							16B	9			HBST8P	05	HBFR80	01	6	TS8	E1		31A		B04
01982	J1140	55			J1126	54			16B	9			HBST8Q	01	HBST8Q	00	1	TDD	KQ		29B		B04
01984	J1126	54							16B	9			HBST8Q	03	HBKALA	01	2	TT3	D1		25A		
03922	J1141	43			J1145	21			16B	9			HBST80V	01	HBST80V	00	1	THI	D5		24B	PROBE PWR OFF -	SA01
03544	J1145	21							16B	9			HBST80V	02				EXT					A01
01985	J1142	68			J1126	23			16B	9			HBST9P	01	HBR80	01	1	TQ2	E1		32A		B03
02861	J1126	23			J1135	10			16B	9			HBST9P	02	HBFAEO	01	2	TT3	B3		11B		B03
01987	J1135	10			J1133	41			16B	9			HBST9P	03	HBFAER	01	3	TT3	A1		07A		
01988	J1133	41			J1130	57			16B	9			HBST9P	04	HBST90V	01	1	THI	D4		23B		
01989	J1130	57			J1132	68			16B	9			HBST9P	05	HBST9P	00	1	TDD	KP		30B		B04
02757	J1132	68			J1107	52			16B	9			HBST9P	06	HBFR80	01	7	TS8	E1		32A		E02
03255	J1107	52							16B	9			HBST9P	07	HBWC3R	01	1	TT3	D1		24A		E02
01990	J1140	77			J1130	55			16B	9			HBST9Q	01	HBST0I	01	1	TDD	L1		38B		
01991	J1130	55							16B	9			HBST9Q	02	HBST9Q	00	1	TDD	KQ		29B		
03923	J1133	46			J1145	14			16B	9			HBST90V	01	HBST90V	00	1	THI	D4		22B	CLOSE R/R - ST9	A01
03537	J1145	14							16B	9			HBST90V	02				EXT					A01
03701	J1106	23			J1107	78			16B	9			HBSUIA	01	HBSUIA	00	1	TD4	B1		11B		E07
03281	J1107	78							16B	9			HBSUIA	02	HBS52A	01	3	TT3	F3		38A		E07
02797	J1106	72			J1128	71			16B	9			HBS2A0	00	HBSB5A	01	2	TD4	F2		34A		C06
02964	J1128	71			J1134	46			16B	9			HBS2A0	01	HBS2BA	01	1	TQ2	F2		36A		C06
01993	J1134	46							16B	9			HBS2A0	02	HBS2A0	00	1	TQ2	D2		21A		
03803	J1128	72			J1134	36			16B	9			HBS2BA	01	HBS2BA	00	1	TQ2	F2		34A		C06
01925	J1134	36							16B	9			HBS2BA	02	HBSB20	01	2	TQ2	C2		17A		C06
01998	J1142	72			J1134	79			16B	9			HBS8BA	01	HBS8BA	00	1	TQ2	F2		34A		
01999	J1134	79							16B	9			HBS8BA	02	HBS8C0	01	2	TQ2	F1		39B		
02000	J1140	60			J1134	75			16B	9			HBS8C0	01	HBST8N	01	1	TDD	KN		28A		
02001	J1134	75							16B	9			HBS8C0	02	HBS8C0	00	1	TQ2	F1		37B		
03712	J1109	73			J1110	37			16B	9			HBTCP0	01	HBTCP0	00	1	TT3	F1		36B		C02
02003	J1110	37			J1110	23			16B	9			HBTCP0	02	HBT203E	01	2	TS4	C4		18B		
02004	J1110	23							16B	9			HBTCP0	03	HBT193E	01	2	TS4	B4		12B		

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		HBTCP0 PAGE	
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		58		58	
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	CKT OR CHIP TYPE	GRUP	LOAD ON POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	Q	MULTI GROUP	CODE										
02863	J1126	35	J1142	55	168	9				HBTCS01	005	HBSC00	01	2	TT3	C3	17B	E07	
03859	J1142	55	J1136	06	168	9				HBTCS01	01	HBEVSO	01	2	TQ2	E3	29B	C03	
03860	J1136	06	J1137	80	168	9				HBTCS01	02		00	1	RR1	A2		C03	
03834	J1137	80			168	9				HBTCS01	03	HBTCS01	00	1	TLD	F4	39A	C03	
03699	J1106	11	J1109	77	168	9				HBTDEA	01	HBTDEA	00	1	TD4	A1	05B	C02	
02890	J1109	77			168	9				HBTDEA	02	HBTCP0	01	2	TT3	F1	38B	C02	
02005	J1110	47	J1104	09	168	9				HBT010E	01	HBT010E	00	1	TS4	D1	25B	T1	
02006	J1104	09	J1103	10	168	9				HBT010E	02	HBT11AV	01	1	TH1	A5	05B		
02007	J1103	10	J1103	04	168	9				HBT010E	03	HBT11A	01	2	TQ2	A1	07A		
02008	J1103	04			168	9				HBT010E	04	HBT2EA	01	1	TQ2	A2	04A		
02009	J1110	51	J1104	15	168	9				HBT011E	01	HBT011E	00	1	TS4	D2	27B	T2	
02010	J1104	15			168	9				HBT011E	02	HBT2AV	01	1	TH1	A6	07B		
02011	J1110	56	J1104	22	168	9				HBT012E	01	HBT012E	00	1	TS4	D3	26A	T3	
02012	J1104	22	J1103	03	168	9				HBT012E	02	HBT3AV	01	1	TH1	B1	14A		
02013	J1103	03			168	9				HBT012E	03	HBT3A	01	1	TQ2	A3	02A		
02014	J1110	52	J1104	23	168	9				HBT013E	01	HBT013E	00	1	TS4	D4	24A	T4	
02015	J1104	23	J1103	13	168	9				HBT013E	02	HBT4AV	01	1	TH1	B2	12A		
02016	J1103	13			168	9				HBT013E	03	HBT4A	01	2	TQ2	A4	06B		
02017	J1117	71	J1110	61	168	9				HBT020E	01	HBT7A	01	1	TQ2	F2	36A	T5	
02018	J1110	61	J1104	20	168	9				HBT020E	02	HBT020E	00	1	TS4	E1	31B		
02019	J1104	20			168	9				HBT020E	03	HBT5AV	01	1	TH1	B3	10A		
02908	J1126	18	J1110	65	168	9				HBT021E	00	HBFARA	01	3	TT3	B2	10A	802	
02020	J1110	65	J1104	17	168	9				HBT021E	01	HBT021E	00	1	TS4	E2	33B	T6	
02021	J1104	17	J1103	20	168	9				HBT021E	02	HBT7AV	01	1	TH1	B4	09B		
02022	J1103	20			168	9				HBT021E	03	HBT6A	01	2	TQ2	B2	11A		
02023	J1110	68	J1104	21	168	9				HBT022E	01	HBT022E	00	1	TS4	E3	33A	T7	
02024	J1104	21	J1103	08	168	9				HBT022E	02	HBT7AV	01	1	TH1	B5	11B		
02025	J1103	08			168	9				HBT022E	03	HBT1A	01	1	TQ2	A1	06A		
02026	J1110	64	J1104	27	168	9				HBT023E	01	HBT023E	00	1	TS4	E4	31A	T8	
02027	J1104	27	J1103	25	168	9				HBT023E	02	HBT8AV	01	1	TH1	B6	13B		
02028	J1103	25			168	9				HBT023E	03	HBT8A	01	2	TQ2	B4	12B		
02029	J1127	73	J1114	25	168	9				HBT023E	01	HBSAAV	01	1	TH1	F2	37B		
02030	J1114	25			168	9				HBT023E	02	HBT023E	00	1	EOR	B3	14A		
02031	J1127	69	J1114	22	168	9				HBT023E	01	HBSABAV	01	1	TH1	F3	35B		
02032	J1114	22			168	9				HBT023E	02	HBT023E	00	1	EOR	B4	11A		
02033	J1127	74	J1114	33	168	9				HBT023E	01	HBSACAV	01	1	TH1	F4	35A	801	
										****	SIGNAL	(HBT023E)	IS ON THE	NEXT PAGE	****				

DRAWING NUMBER WL10281452 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS										STRING		UNIT ASSEMBLY NO. 10281452 FILE IDENT TSQ3MTSL		REV F DATE 09-01-82		INDEX HBTECER PAGE 39					
RECORD NUMBER	PREFIX	CONNECTOR	PIH	WIRE	PREFIX	CONNECTOR	PIH	WIRE	WIRE	WIRE	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHRT TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
02158		J1114	33								16B 9	02	HBTECER	00	1	EDR	C1		16B		B01
02035		J1127	76		J1114	39					16B 9	01	HBSADAV	01	1	THI	F5		37A		B01
02160		J1114	39								16B 9	00	HBTECER	00	1	EDR	C2		19B		B01
02037		J1127	75		J1114	42					16B 9	01	HBSAEAV	01	1	THI	F6		39A		
02038		J1114	42								16B 9	00	HBTECER	00	1	EDR	C3		20A		
02039		J1114	36		J1112	74					16B 9	01	HBTEFER	00	1	EDR	C4		17A		
02040		J1112	74								16B 9	01	HBSAFV	01	1	THI	F4		35A		
02169		J1114	45		J1112	76					16B 9	01	HBTEGER	00	1	EDR	D1		24B		B01
02042		J1112	76								16B 9	02	HBSAGAV	01	1	THI	F5		37A		
02171		J1114	51		J1112	75					16B 9	01	HBTEHER	00	1	EDR	D2		27B		B01
02044		J1112	75								16B 9	01	HBSAHAV	01	1	THI	F6		39A		
02045		J1105	46		J1104	38					16B 9	01	HBCCTN	01	1	TDD	HN		21A		
02046		J1104	38		J1103	06					16B 9	01	HBTE10V	01	1	THI	C1		20A		
02047		J1103	06								16B 9	00	HBTE1A	00	1	TQ2	A1		05A		
02048		J1109	48		J1109	49					16B 9	01	HBLAMA	01	3	TT3	D2		22A		
02049		J1109	49		J1104	40					16B 9	02	HBLHLA	01	3	TT3	D3		26B		
02050		J1104	40								16B 9	03	HBTE10V	00	1	THI	C1		19A	(T1 T7)	
02071		J1135	24		J1135	11					16B 9	00	HBTE2A	00	2	TT3	B1		13A		B02
02070		J1135	11		J1105	79					16B 9	001	HBTE2A	01	2	TT3	A3		05B		B02
02051		J1105	79		J1104	35					16B 9	01	HBTE2A	01	1	TDD	LN		39B		
02052		J1104	35		J1103	01					16B 9	02	HBTE20V	01	1	THI	C2		18A		
02053		J1103	01								16B 9	03	HBTE2A	00	1	TQ2	A2		02B		
02054		J1109	60		J1104	37					16B 9	01	HBYBPA	01	2	TT3	E2		28A		
02055		J1104	37								16B 9	00	HBTE20V	00	1	THI	C2		17A	(T1 T2*)	
02056		J1147	10		J1103	09					16B 9	01	HBTE3A			FTH					
02057		J1103	09		J1104	50					16B 9	02	HBTE3A	00	1	TQ2	A3		04B	(T3 T4)*	A01
02697		J1104	50		J1110	77					16B 9	03	HBCCP0V	01	1	THI	D3		22A		E04
02761		J1110	77								16B 9	01	HBCWD3E	01	2	TS4	F4		38B		E04
02058		J1104	36		J1103	15					16B 9	01	HBTE4A	01	1	THI	C3		16A		
02059		J1103	15								16B 9	00	HBTE4A	00	1	TQ2	A4		07B		
02060		J1104	34		J1109	54					16B 9	01	HBTE40V	00	1	THI	C3		15A	(T3* T4)	
02061		J1109	54		J1126	05					16B 9	02	HBLAGA	01	2	TT3	D1		25A		
02062		J1126	05		J1126	10					16B 9	03	HBTE40V	01	3	TT3	A2		03B		
02063		J1126	10								16B 9	04	HBTE40V	01	3	TT3	A1		07A		C02
02065		J1128	50		J1104	29					16B 9	01	HBTE5A	01	2	TQ2	D2		23A		
02066		J1104	29		J1103	22					16B 9	02	HBTE5A	01	1	THI	C4		15B		
02067		J1103	22								16B 9	03	HBTE5A	00	1	TQ2	B1		12A		

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DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV F		INDEX		HBT5A					
NL10281452		CARD CAGE WIRED LH MTS												10281452		09-01-82		PAGE		60					
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	D	C	CKT OR CHIP TYPE	PLANE	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT										AND	OR		
02068	J1104	33		J1103	14			168	9			HBTE6A	01	HBTE6OV	01	1	TH1	C5			17B				
02069	J1103	14						168	9			HBTE6A	02	HBTE6A	00	1	TQ2	B2					09A	802	
02999	J1132	54		J1104	31			168	9			HBTE6OV	00C	HBHAGA	01	7	TS8	D1					25A	801	
02073	J1104	31		J1103	50			168	9			HBTE6OV	02	HBTE6OV	00	1	TH1	C5					16B	(T5* Y6)	
02074	J1103	50						168	9			HBTE6OV	03	HBLAHA	01	2	TQ2	D2					23A		
02075	J1103	59		J1103	53			168	9			HBTE7A	01	HBCG20	01	1	TQ2	E4					31B		
02076	J1103	53		J1104	51			168	9			HBTE7A	02	HBCGFO	01	1	TQ2	E3					28B		
02077	J1104	51		J1105	56			168	9			HBTE7A	03	HBTE7OV	01	1	TH1	D6					27B		
02078	J1105	56		J1117	72			168	9			HBTE7A	04	HBLAKN	01	1	TQD	GN					24A	C02	
02080	J1117	72						168	9			HBTE7A	06	HBTE7A	00	1	TQ2	F2					34A		
02081	J1109	70		J1104	53			168	9			HBTE7OV	01	HBLADA	01	3	TT3	E1					33A		
02082	J1104	53						168	9			HBTE7OV	02	HBTE7OV	00	1	TH1	D6					26B	(T5 Y6*)	
02083	J1104	79		J1105	60			168	9			HBTE8A	01	HBTE8OV	01	1	TH1	F1					39B		
02084	J1105	60		J1103	27			168	9			HBTE8A	02	HBTKN	01	1	TQD	KN					28A		
02085	J1103	27						168	9			HBTE8A	03	HBTE8A	00	1	TQ2	B4					13B		
02086	J1128	43		J1109	59			168	9			HBTE8OV	01	HBHAI1	01	2	TQ2	D3					23B		
02087	J1109	59		J1104	80			168	9			HBTE8OV	02	HBVAPA	01	2	TT3	E3					31B		
02088	J1104	80		J1103	47			168	9			HBTE8OV	03	HBTE8OV	00	1	TH1	F1					38B	(T7* Y8)	
02089	J1103	47						168	9			HBTE8OV	04	HBLABA	01	1	TQ2	D4					25B		
02090	J1110	63		J1110	49			168	9			HBTFAO	01	HBTD23E	01	2	TS4	E4					32B		
02091	J1110	49		J1106	45			168	9			HBTFAO	02	HBTD13E	01	2	TS4	D4					26B		
02092	J1106	45						168	9			HBTFAO	03	HBTFAO	00	1	TD4	D2					24B		
02093	J1109	15		J1106	43			168	9			HBTFBA	01	HBTFBA	00	1	TT3	A3					07B		
02094	J1106	43						168	9			HBTFBA	02	HBTFAO	01	1	TD4	D2					23B		
02095	J1109	20		J1106	46			168	9			HBTFCA	01	HBTFCA	00	1	TT3	B1					11A		
02096	J1106	46						168	9			HBTFCA	02	HBTFAO	01	2	TD4	D2					21A		
02099	J1106	50		J1103	69			168	9			HBTFEA	01	HBTFAO	01	4	TD4	D2					23A		
02100	J1103	69						168	9			HBTFEA	02	HBTFEA	00	1	TQ2	F3					35A		
02101	J1112	26		J1109	26			168	9			HBTFFAV	01	HBTFFAV	00	1	TH1	B6					12B		
02102	J1109	26		J1109	13			168	9			HBTFFAV	02	HBTFCA	01	3	TT3	B1					14A		
02103	J1109	13						168	9			HBTFFAV	03	HBTFBA	01	3	TT3	A3					06B		
02104	J1112	27		J1109	07			168	9			HBTFFO	01	HBTFFAV	01	1	TH1	B6					13B		
02105	J1109	07						168	9			HBTFFO	02	HBTFFO	00	1	TT3	A2					03A		
02106	J1105	53		J1103	72			168	9			HBTFGO	01	HBTKKQ	01	1	TQD	KQ					28B		
02107	J1103	72						168	9			HBTFGO	02	HBTFGO	00	1	TQ2	F2					34A		
												****	SIGNAL	HBTFHA			IS ON THE	NEXT PAGE	****						

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DRAWING NUMBER UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV F		INDEX		HBT FHA		
W110281452 CARD CAGE WIRED LH MTS												10281452		09-01-82		PAGE		61		
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	ELECT	CKY OR CHIP TYPE	PROP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PIN	PIN	USE	MULTI GROUP	CODE	COLOR											
01959		J1142	08		J1128	51		168	9		HBT FHA	00	HBRSCO	01	1	YQ2	A1	06A		C06
02108		J1128	51		J1116	20		168	9		HBT FHA	01	HBT FHA	00	1	TQ2	D4	27B		B02
02819		J1116	20					168	9		HBT FHA	02	HBT FHOV	01	1	THI	B3	10A		B02
03763		J1116	18		J1103	71		168	9		HBT FHOV	01	HBT FHOV	00	1	THI	B3	09A		B02
02109		J1103	71					168	9		HBT FHOV	01	HBT FGO	01	1	TQ2	F2	36A		B02
02110		J1105	34		J1104	71		168	9		HBT FIOV	01	HBT5KI	01	1	TDD	F1	16A		
02111		J1104	71					168	9		HBT FIOV	02	HBT FIOV	00	1	THI	F2	36B		
02905		J1140	05		J1104	72		168	9		HBT FJOV	01	HBTCTI	01	1	YDD	B1	03B		C06
02113		J1104	72					168	9		HBT FJOV	00	HBT FJOV	00	1	THI	F4	34A		
02114		J1105	40		J1104	42		168	9		HBT FKOV	01	HBT6KI	01	1	TDD	E1	19A		
02115		J1104	42					168	9		HBT FKOV	02	HBT FKOV	00	1	THI	C6	18B		
02116		J1104	78		J1103	73		168	9		HBT FLOV	01	HBT FLOV	00	1	THI	F5	36A		
02117		J1103	73					168	9		HBT FLOV	02	HBT FGO	01	2	TQ2	F2	36B		
03153		J1102	30		J1102	52		168	9		HBT RT01	01				OSC				
03175		J1102	52		J1118	71		168	9		HBT RT01	02				OSC				
02712		J1118	71					168	9		HBT RT01	03				RR1	H1			
02118		J1104	07		J1103	24		168	9		HBT T1AV	01	HBT T1AV	00	1	THI	A5	04B		
02119		J1103	24					168	9		HBT T1AV	02	HBT E5A	01	1	TQ2	B1	13A		
02120		J1104	10		J1103	05		168	9		HBT T2AV	01	HBT T2AV	00	1	THI	A6	06B		
02121		J1103	05					168	9		HBT T2AV	02	HBT E2A	01	2	TQ2	A2	03B		
02122		J1104	24		J1103	11		168	9		HBT T3AV	01	HBT T3AV	00	1	THI	B1	13A		
02123		J1103	11					168	9		HBT T3AV	02	HBT E4A	01	1	TQ2	A4	05B		
02124		J1112	39		J1104	25		168	9		HBT T4AV	01	HBT T40V	01	1	THI	C6	19B		
02125		J1104	25		J1103	07		168	9		HBT T4AV	02	HBT T4AV	00	1	THI	B2	11A		
02126		J1103	07					168	9		HBT T4AV	03	HBT E3A	01	2	TQ2	A3	03A		
02127		J1112	42		J1110	59		168	9		HBT T40V	01	HBT T40V	00	1	THI	C6	18B		
02128		J1110	59					168	9		HBT T40V	02	HBT D20E	01	2	TS4	E1	30B		
02129		J1104	18		J1103	18		168	9		HBT T5AV	01	HBT T5AV	00	1	THI	B3	09A		
02130		J1103	18					168	9		HBT T5AV	02	HBT E6A	01	1	TQ2	B2	10A		
02131		J1117	73		J1104	14		168	9		HBT T6AV	01	HBT E7A	01	2	TQ2	F2	36B		
02132		J1104	14					168	9		HBT T6AV	02	HBT T6AV	00	1	THI	B4	08B		
02133		J1104	19		J1103	23		168	9		HBT T7AV	01	HBT T7AV	00	1	THI	B5	10B		
02134		J1103	23					168	9		HBT T7AV	02	HBT E8A	01	1	TQ2	B4	11B		
02135		J1110	45		J1104	26		168	9		HBT T8AV	01	HBT D10E	01	2	TS4	D1	24B		
02136		J1104	26		J1103	26		168	9		HBT T8AV	02	HBT T8AV	00	1	THI	B6	12B		
								****		SIGNAL	(HBT T8AV		S ON THE			NEXT PAGE		****		

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DRAWING NUMBER UNIT ASSEMBLY NAME		W10281452 CARD CAGE WIRED LH MTS										STRING	UNIT ASSEMBLY NO. FILE IDENT			DATE	REV F	INDEX PAGE	HBTT8AV 62				
RECORD NUMBER	FROM				TO				WIRE		SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO			
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE											COLOR	IDENT	IDENT
02137		J1103	26						168	9		HBT18AV	03	HBTE5A	01	2	TQ2	B1	14A				
02138		J1140	10		J1140	14			168	9		HBT1A0V	01	HBKC2N	01	1	TDD	AN	07A				
02139		J1140	14		J1130	14			168	9		HBT1A0V	02	HBCR1N	01	1	TDD	DN	09A				
02140		J1130	14		J1130	01			168	9		HBT1A0V	05	HBKC2N	01	1	TDD	DN	05A				
02141		J1130	01		J1104	08			168	9		HBT1A0V	04	HBCR3N	01	1	TDD	BN	02B				
02142		J1104	08						168	9		HBT1A0V	05	HBT1A0V	00	1	THI	A2	04A				
02147		J1130	72		J1105	70			168	9		HBT1C0V	03	HBSA1N	01	1	TDD	MN	34A				
02148		J1105	70		J1104	01			168	9		HBT1C0V	04	HBSA2N	01	1	TDD	JN	33A				
02149		J1104	01						168	9		HBT1C0V	05	HBT1C0V	00	1	THI	A4	02B				
02150		J1116	64		J1112	53			168	9		HBT19AV	01	HBT190V	01	1	THI	E1	33A				
02151		J1112	53						168	9		HBT19AV	02	HBT19AV	00	1	THI	D6	26B				
03553		J1145	30		J1114	24			168	9		HBT190E	00				EXT			A01			
02152		J1114	24		J1110	21			168	9		HBT190E	01	HBTEAER	01	2	EOR	B3	12A				
02153		J1110	21						168	9		HBT190E	02	HBT190E	00	1	TS4	B1	11B				
02154		J1116	66		J1110	33			168	9		HBT190V	01	HBT190V	00	1	THI	E1	32A				
02155		J1110	33						168	9		HBT190V	02	HBT200E	01	2	TS4	C1	16B				
03554		J1145	31		J1114	18			168	9		HBT191E	00				EXT			A01			
02156		J1114	18		J1110	27			168	9		HBT191E	01	HBTEBER	01	2	EOR	B4	09A				
02157		J1110	27						168	9		HBT191E	02	HBT191E	00	1	TS4	B2	13B				
03556		J1145	33		J1114	29			168	9		HBT192E	00				EXT			B01			
02034		J1114	29		J1110	25			168	9		HBT192E	01	HBTECEC	01	2	EOR	C1	14B	B01			
02159		J1110	25						168	9		HBT192E	02	HBT192E	00	1	TS4	B3	14A				
03557		J1145	34		J1114	35			168	9		HBT193E	00				EXT			B01			
02036		J1114	35		J1112	51			168	9		HBT193E	01	HBTEDEC	01	2	EOR	C2	17B	B01			
02161		J1112	51		J1110	24			168	9		HBT193E	02	HBT19AV	01	1	THI	D6	27B				
02162		J1110	24						168	9		HBT193E	03	HBT193E	00	1	TS4	B4	12A				
02163		J1112	46		J1110	19			168	9		HBT20AV	01	HBT20AV	00	1	THI	D4	22B				
02164		J1110	19						168	9		HBT20AV	02	HBT190E	01	2	TS4	B1	10B				
03558		J1145	35		J1114	38			168	9		HBT200E	00				EXT			A01			
02165		J1114	38		J1110	35			168	9		HBT200E	01	HBTEFER	01	2	EOR	C3	16A				
02166		J1110	35						168	9		HBT200E	02	HBT200E	00	1	TS4	C1	17B				
03559		J1145	36		J1114	30			168	9		HBT201E	00				EXT			A01			
02167		J1114	30		J1110	39			168	9		HBT201E	01	HBTEFER	01	2	EOR	C4	15A				
02168		J1110	39						168	9		HBT201E	02	HBT201E	00	1	TS4	C2	19B				
03560		J1145	37		J1114	41			168	9		HBT202E	00				EXT			B01			
02041		J1114	41		J1110	42			168	9		HBT202E	01	HBTEGER	01	2	EOR	D1	22B	B01			
02170		J1110	42						168	9		HBT202E	02	HBT202E	00	1	TS4	C3	20A				
****											SIGNAL	(HBT203E	IS ON THE NEXT PAGE ****										

DRAWING NUMBER **WL10281452** **STRING** UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **HBT203E**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS** FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **63**

RECORD NUMBER	FROM			TO			MULTI GROUP	WIRE CODE	COLOR	IDENT	SIGNAL	EQUATION	TERMIN	SIGNAL	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN												
03561	J1145	38		J1114	47			168	9		HBT203E	00						801
02043	J1114	47		J1112	41			168	9		HBT203E	01	HBTEHER	01 2	EOR	D2	25B	801
02172	J1112	41		J1110	38			168	9		HBT203E	02	HBT20AV	01 1	THI	D4	23B	
02173	J1110	38						168	9		HBT203E	03	HBT203E	00 1	TS4	C4	18A	
02174	J1111	38		J1114	26			168	9		HBT211V1	01	HBT211V100	1	RO5	B1	T09	
02175	J1114	26		J1118	41			168	9		HBT211V1	02	HBTEAER	01 1	EOR	B3	13A	
02176	J1118	41						168	9		HBT211V1	03			RR1	E1		
02177	J1114	20		J1111	40			168	9		HBT212V1	01	HBTEBER	01 1	EOR	B4	10A	
02178	J1111	40		J1118	45			168	9		HBT212V1	02	HBT212V100	1	RO5	B2	T10	
02179	J1118	45						168	9		HBT212V1	03			RR1	E2		
02180	J1111	42		J1114	31			168	9		HBT213V1	01	HBT213V100	1	RO5	B3	T11	
02181	J1114	31		J1118	47			168	9		HBT213V1	02	HBTECEC	01 1	EOR	C1	15B	
02182	J1118	47						168	9		HBT213V1	03			RR1	E3		
02183	J1111	46		J1114	37			168	9		HBT214V1	01	HBT214V100	1	RO5	B4	T12	
02184	J1114	37		J1118	48			168	9		HBT214V1	02	HBTEBER	01 1	EOR	C2	18B	
02185	J1118	48						168	9		HBT214V1	03			RR1	E4		
02186	J1111	48		J1114	40			168	9		HBT215V1	01	HBT215V100	1	RO5	B5	T13	
02187	J1114	40		J1118	52			168	9		HBT215V1	02	HBTEEER	01 1	EOR	C3	19A	
02188	J1118	52						168	9		HBT215V1	03			RR1	E5		
02189	J1111	50		J1114	34			168	9		HBT216V1	01	HBT216V100	1	RO5	B6	T14	
02190	J1114	34		J1118	54			168	9		HBT216V1	02	HBTEFER	01 1	EOR	C4	16A	
02191	J1118	54						168	9		HBT216V1	03			RR1	E6		
02192	J1111	52		J1114	43			168	9		HBT217V1	01	HBT217V100	1	RO5	B7	T15	
02193	J1114	43		J1118	51			168	9		HBT217V1	02	HBTEGER	01 1	EOR	D1	23B	
02194	J1118	51						168	9		HBT217V1	03			RR1	F1		
02195	J1111	54		J1114	49			168	9		HBT218V1	01	HBT218V100	1	RO5	B8	T16	
02196	J1114	49		J1118	53			168	9		HBT218V1	02	HBTEHER	01 1	EOR	D2	26B	
02197	J1118	53						168	9		HBT218V1	03			RR1	F2		
00875	J1133	14		J1147	14			168	9		HBT4C0V	01	HBT4C0V	00 1	THI	B4	08B	C02
02143	J1147	14						168	9		HBT4C0V	02			FTH			C02
02198	J1105	33		J1104	69			168	9		HBT5KP	01	HBT5KP	00 1	TDD	FP	16B	
02199	J1104	69						168	9		HBT5KP	02	HB5000V	01 1	THI	F3	35B	
02200	J1104	73		J1103	65			168	9		HBT5KQ	01	HBTF10V	01 1	THI	F2	37B	
02201	J1103	65		J1105	31			168	9		HBT5KQ	02	HBTFEA	01 1	TQ2	F3	34B	
02202	J1105	31		J1109	24			168	9		HBT5KQ	03	HB5KQ	00 1	TDD	FQ	15B	
02203	J1109	24						168	9		HBT5KQ	04	HBTFCA	01 2	TT3	B1	13A	
02204	J1128	47		J1105	35			168	9		HBT6KP	01	HBTFHA	01 1	TQ2	D4	25B	C06
02206	J1105	35						168	9		HBT6KP	03	HBT6KP	00 1	TDD	EP	17B	

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DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.			REV		INDEX		HBT6KP			
WL10281452		CARD CAGE WIRED LH MTS												10281452			F		PAGE		64			
UNIT ASSEMBLY NAME												TSQ3MTSL			DATE		09-01-82							
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	CXT OR CWP TYPE	GRP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	IN FT	PREFIX	CONNECTOR	PIN	IN FT	MULTI GROUP	CODE	COLOR	IDENT											REC IN FT	
02207	J1130	40			J1105	37				168	9		HBT6KQ	01	HBT7K1	01	1	TDD	E1	19A				
02208	J1105	37								168	9		HBT6KQ	02	HBT6KQ	00	1	TDD	EQ	18B				
02209	J1130	37			J1128	49				168	9		HBT7KQ	01	HBT7KQ	00	1	TDD	EQ	18B				
02210	J1128	49								168	9		HBT7KQ	02	HBT7KQ	01	2	TQ2	04	20B	C06			
02212	J1105	55			J1103	74				168	9		HBT8KQ	01	HBT8KQ	00	1	TDD	KQ	29B				
02213	J1103	74								168	9		HBT8KQ	02	HBT8KQ	01	2	TQ2	F3	35B				
03927	J1104	13			J1102	50				168	9		HBUMBAV	01	HBUMBAV	00	1	THI	A1	06A				
03173	J1102	50								168	9		HBUMBAV	02										
03478	J1144	35			J1146	01				168	9		HBUPU0	01								C03		
02538	J1146	01								168	9		HBUPU0	02								C03		
03254	J1107	51			J1106	25				168	9		HB00T0	01	HB00T0	00	1	TT3	D3	27B	E07			
02785	J1106	25								168	9		HB00T0	02	HB00T0	01	3	Y04	B1	12B	E07			
02214	J1127	47			J1113	15				168	9		HBWAAA	01	HBWMOV	01	1	THI	D2	24A				
02215	J1113	15								168	9		HBWAAA	02	HBWAAA	00	1	TQ2	A4	07B				
02216	J1127	50			J1128	36				168	9		HBWABA	01	HBWANOV	01	1	THI	D3	22A				
02217	J1128	36			J1113	22				168	9		HBWABA	02	HBWAQ0	01	2	TQ2	C2	17A				
02218	J1113	22								168	9		HBWABA	03	HBWABA	00	1	TQ2	B1	12A				
02219	J1127	41			J1128	34				168	9		HBWACA	01	HBWAPOV	01	1	THI	D4	23B				
02220	J1128	34			J1128	29				168	9		HBWACA	02	HBWAQ0	01	1	TQ2	C2	16A				
02221	J1128	29			J1113	14				168	9		HBWACA	03	HBWAU0	01	1	TQ2	C3	14B				
02222	J1113	14								168	9		HBWACA	04	HBWACA	00	1	TQ2	B2	09A				
02225	J1127	51			J1113	27				168	9		HBWAEA	01	HBWASOV	01	1	THI	D6	27B				
02226	J1113	27								168	9		HBWAEA	02	HBWAEA	00	1	TQ2	B4	13B				
02227	J1127	64			J1128	31				168	9		HBWAFa	01	HBWATOV	01	1	THI	E1	33A				
02228	J1128	31			J1113	38				168	9		HBWAFa	02	HBWAU0	01	2	TQ2	C3	15B				
02229	J1113	38								168	9		HBWAFa	03	HBWAFa	00	1	TQ2	C1	18A				
02230	J1127	61			J1113	30				168	9		HBWAGA	01	HBWAVOV	01	1	THI	E2	31A				
02231	J1113	30								168	9		HBWAGA	02	HBWAGA	00	1	TQ2	C2	15A				
02232	J1127	62			J1113	33				168	9		HBWAHA	01	HBWAVOV	01	1	THI	E3	29A				
02233	J1113	33								168	9		HBWAHA	02	HBWAHA	00	1	TQ2	C3	16B				
02234	J1127	55			J1113	39				168	9		HBWAIA	01	HBWAXOV	01	1	THI	E4	29B	B02			
02236	J1113	39			J1109	11				168	9		HBWAIA	03	HBWAIA	00	1	TQ2	C4	19B	B02			
02238	J1109	11								168	9		HBWAIA	05	HBTf8A	01	2	TT3	A3	05B				
02239	J1126	22			J1128	35				168	9		HBWAJA	01	HBWAY0	01	1	TT3	B1	12A				
													****	SIGNAL	(HBWAJA	IS ON THE			NEXT PAGE		****			

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DRAWING NUMBER UNIT ASSEMBLY NAME				W110281452 CARD CAGE WIRED LH MTS				STRING		UNIT ASSEMBLY NO. FILE IDENT				10281452 TSQ3MTS1		REV F DATE		INDEX PAGE		HBWAJA 65		
RECORD NUMBER	FROM PREFIX	CONNECTOR	PIN	TO PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	WIRE CODE	COLOR	IDENT	SIGNAL	SEQ NO	EQUATION	TRM	FACE	CNT OR CHIP TYPE	PROP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
02240	J1128	35		J1127	59		168	9				HBWAJA	02	HBWAZO	01	1	TQ2	C4		17B		
02241	J1127	59		J1113	52		168	9				HBWAJA	03	HBWBAOV	01	1	THI	E5		31B		
02242	J1113	52					168	9				HBWAJA	04	HBWAJA	00	1	TQ2	D1		24A		C01
02244	J1113	46		J1127	65		168	9				HBWAKA	01	HBWAKA	00	1	TQ2	D2		21A		
02245	J1127	65		J1128	37		168	9				HBWAKA	02	HBWBBOV	01	1	THI	E6		33B		
02246	J1128	37		J1126	24		168	9				HBWAKA	03	HBWAZO	01	2	TQ2	C4		18B		
02247	J1126	24		J1147	47		168	9				HBWAKA	04	HBWAYO	01	2	TT3	B1		13A		B02
03621	J1147	47					168	9				HBWAKA	05				FTH					B02
02248	J1126	26		J1113	45		168	9				HBWALA	01	HBWAYO	01	3	TT3	B1		14A		
02249	J1113	45					168	9				HBWALA	02	HBWALA	00	1	TQ2	D3		24B		
02250	J1127	49		J1117	04		168	9				HBWAMOV	01	HBWAMOV	00	1	THI	D2		23A	(101-TJK)	
02251	J1117	04					168	9				HBWAMOV	02	HBBC2A	01	1	TQ2	A2		04A		
02252	J1127	48		J1117	11		168	9				HBWANOV	01	HBWANOV	00	1	THI	D3		21A		
02253	J1117	11					168	9				HBWANOV	02	HBBC4A	01	1	TQ2	A4		05B		
02254	J1127	46		J1117	24		168	9				HBWAPOV	01	HBWAPOV	00	1	THI	D4		22B	(109-MEM1)	
02255	J1117	24					168	9				HBWAPOV	02	HBBC5A	01	1	TQ2	B1		13A		
02256	J1128	30		J1117	23		168	9				HBWAQO	01	HBWAQO	00	1	TQ2	C2		15A	(652+109-MEM)	
02257	J1117	23					168	9				HBWAQO	02	HBBC8A	01	1	TQ2	B4		11B		
00874	J1134	11		J1127	53		168	9				HBWASOV	00	HBWBDA	01	1	TQ2	A4		05B		C01
02258	J1127	53		J1117	40		168	9				HBWASOV	01	HBWASOV	00	1	THI	D6		26B	602	
02259	J1117	40					168	9				HBWASOV	02	HBBC9A	01	1	TQ2	C1		19A		
02260	J1127	66		J1117	17		168	9				HBWATOV	01	HBWATOV	00	1	THI	E1		32A	606	
02261	J1117	17					168	9				HBWATOV	02	HBBC7A	01	1	TQ2	B3		08B		
02262	J1128	33		J1117	18		168	9				HBWAUO	01	HBWAUO	00	1	TQ2	C3		16B	(109 MEM+606)	
02263	J1117	18					168	9				HBWAUO	02	HBBC6A	01	1	TQ2	B2		10A		
02264	J1127	63		J1117	08		168	9				HBWAVOV	01	HBWAVOV	00	1	THI	E2		30A	(105-TDD)	
02265	J1117	08					168	9				HBWAVOV	02	HBBC1A	01	1	TQ2	A1		06A		
02268	J1127	60		J1117	03		168	9				HBWANOV	03	HBWANOV	00	1	THI	E3		28A	(707-SR)	
02269	J1117	03					168	9				HBWANOV	04	HBBC3A	01	1	TQ2	A3		02A		
02270	J1127	56		J1109	22		168	9				HBWAXOV	01	HBWAXOV	00	1	THI	F4		28B	(106-TL0)	
02271	J1109	22					168	9				HBWAXOV	02	HBTFCA	01	1	TT3	B1		12A		
01273	J1141	03		J1142	78		168	9				HBWAYAV	01	HBWAYAV	00	1	THI	A3		03A		B02
02983	J1142	78					168	9				HBWAYAV	02	HBFACA	01	2	TQ2	F4		36A		B02
02531	J1141	04		J1146	27		168	9				HBWAYO	00	HBWAYAV	01	1	THI	A3		02A		B02
02272	J1146	27		J1126	20		168	9				HBWAYO	01	HCDMHZ	03	1	EXT					
02273	J1126	20					168	9				HBWAYO	02	HBWAYO	00	1	TT3	B1		11A	(107+124+629)	

DRAWING NUMBER UNIT ASSEMBLY NAME		WL10281452 CARD CAGE WIRED LH NTS										STRING		UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		HBWAYO 66			
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SER NO	EQUATION	TERM	FAC	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	COLOR	IDENT	WIRE											
02274	J1146	29		J1128	39		168 9					HBWAZO	01	HCDMNZ	03	2	EXT						
02275	J1128	39					168 9					HBWAZO	02	HBWAZO	00	1	TQ2	C4		19B	(107*124)		
02276	J1112	11		J1108	08		168 9					HBWA10T	01	HBWA10V	01	1	THI	A1		07A			
02277	J1108	08					168 9					HBWA10T	02	HBWA10T	00	1	DBC	A1		04A			
02278	J1112	06		J1108	10		168 9					HBWA11T	01	HBW2A0V	01	1	THI	A2		05A			
02279	J1108	10					168 9					HBWA11T	02	HBWA11T	00	1	DBC	A2		05A			
02280	J1112	04		J1108	14		168 9					HBWA12T	01	HBW3A0V	01	1	THI	A3		02A			
02281	J1108	14					168 9					HBWA12T	02	HBWA12T	00	1	DBC	A3		06A			
02282	J1112	05		J1108	13		168 9					HBWA13T	01	HBW4A0V	01	1	THI	A4		03B			
02283	J1108	13					168 9					HBWA13T	02	HBWA13T	00	1	DBC	A4		07A			
02284	J1112	09		J1108	17		168 9					HBWA14T	01	HBW5A0V	01	1	THI	A5		05B			
02285	J1108	17					168 9					HBWA14T	02	HBWA14T	00	1	DBC	A5		08B			
02286	J1112	15		J1108	07		168 9					HBWA15T	01	HBW6A0V	01	1	THI	A6		07B			
02287	J1108	07					168 9					HBWA15T	02	HBWA15T	00	1	DBC	A6		04B			
02288	J1112	22		J1108	09		168 9					HBWA16T	01	HBW7A0V	01	1	THI	B1		14A			
02289	J1108	09					168 9					HBWA16T	02	HBWA16T	00	1	DBC	A7		05B			
02290	J1112	23		J1108	11		168 9					HBWA17T	01	HBW8A0V	01	1	THI	B2		12A			
02291	J1108	11					168 9					HBWA17T	02	HBWA17T	00	1	DBC	A8		06B			
02292	J1112	20		J1108	24		168 9					HBWA20T	01	HBW180V	01	1	THI	B3		10A			
02293	J1108	24					168 9					HBWA20T	02	HBWA20T	00	1	DBC	B1		12A			
02294	J1112	17		J1108	26		168 9					HBWA21T	01	HBW280V	01	1	THI	B4		09B			
02295	J1108	26					168 9					HBWA21T	02	HBWA21T	00	1	DBC	B2		13A			
02296	J1112	21		J1108	27		168 9					HBWA22T	01	HBW380V	01	1	THI	B5		11B			
02297	J1108	27					168 9					HBWA22T	02	HBWA22T	00	1	DBC	B3		14A			
02298	J1146	80		J1126	17		168 9					HBWBA0V	01	HCDMNZ	05	2	EXT						802
02859	J1126	17		J1127	57		168 9					HBWBA0V	02	HBFARA	01	2	TT3	B2		08B			802
02300	J1127	57					168 9					HBWBA0V	03	HBWBA0V	00	1	THI	E5		30B	107		
02301	J1137	34		J1127	68		168 9					HBWBBOV	01	HBKAMD	01	1	TLD	C2		16A			
02302	J1127	68					168 9					HBWBBOV	02	HBWBBOV	00	1	THI	E6		32B	124		
01610	J1134	13		J1126	31		168 9					HBWBCA	005	HBWBDA	01	2	TQ2	A4		06B			C02
03798	J1126	31		J1146	08		168 9					HBWBCA	01	HBWBCA	00	1	TT3	C2		15B			C07
02566	J1146	08					168 9					HBWBCA	02				EXT						
00871	J1134	15		J1146	59		168 9					HBWBDA	01	HBWBDA	00	1	TQ2	A4		07B			C01
												****	SIGNAL	(HBWBDA			IS ON THE	NEXT PAGE	****				

DRAWING NUMBER WL10281452 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS										STRING			UNIT ASSEMBLY NO. 10281452 FILE IDENT TSQ3MTSL			REV F DATE 09-01-82		INDEX PAGE 67	
RECORD NUMBER	FROM	TO			WIRE			CKT OR CHIP TYPE	TERMINAL	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO					
PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT	SIGNAL	EQ NO	EQUATION	TERM	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
03610	J1146	59						16B 9			HBWBDA	02							C01
03236 01994	J1107 J1142	33 52		J1142	52			16B 9 16B 9			HBWC1A HBWC1A	01 02	HBWC2A HBWC1A	01 00	1	TT3 TQ2	C3 D1	16B 24A	C06 C06
03242 01843	J1107 J1142	39 64		J1142	64			16B 9 16B 9			HBWC2A HBWC2A	01 02	HBWC2A HBWC3S	00 01	1 2	TT3 TQ2	C3 E2	19B 30A	C06 C06
03253 01929	J1107 J1142	50 62		J1142	62			16B 9 16B 9			HBWC3R HBWC3R	01 02	HBWC3R HBWC3S	00 01	1 1	TT3 TQ2	D1 E2	23A 29A	C06 C06
03259 01849 03611	J1107 J1142 J1146	56 60 67		J1142 J1146	60 67			16B 9 16B 9 16B 9			HBWC3S HBWC3S HBWC3S	01 02 03	HBWC3R HBWC3S	01 00	3 1	TT3 TQ2 EXT	D1 E2	26A 28A	C06 C06 C06
02303 02304	J1113 J1112	11 13		J1112	13			16B 9 16B 9			HBW1A0V HBW1A0V	01 02	HBWAAA HBW1A0V	01 00	1	TQ2 TH1	A4 A1	05B 06A	
02305 02306 02307	J1113 J1113 J1112	56 50 18		J1113 J1112	50 18			16B 9 16B 9 16B 9			HBW1B0V HBW1B0V HBW1B0V	01 02 03	HBWAJA HBWAKA HBW1B0V	01 01 00	2 2 1	TQ2 TQ2 TH1	D1 D2 B3	26A 23A 09A	
02308 02309	J1113 J1112	34 08		J1112	08			16B 9 16B 9			HBW2A0V HBW2A0V	01 02	HBWAGA HBW2A0V	01 00	1	TQ2 TH1	C2 A2	16A 04A	
02311 02312 02313 02314 02315	J1113 J1113 J1113 J1113 J1112	43 37 31 20 14		J1113 J1113 J1113 J1112	37 31 20 14			16B 9 16B 9 16B 9 16B 9 16B 9			HBW2B0V HBW2B0V HBW2B0V HBW2B0V HBW2B0V	02 03 04 05 06	HBWALA HBWATA HBWAHA HBWACA HBW2B0V	01 01 01 01 00	2 2 2 2 1	TQ2 TQ2 TQ2 TQ2 TH1	D3 C4 C3 B2 B4	23B 18B 15B 11A 08B	
02316 02317	J1113 J1112	17 03		J1112	03			16B 9 16B 9			HBW3A0V HBW3A0V	01 02	HBWADA HBW3A0V	01 00	1	TQ2 TH1	B3 A3	08B 03A	
01932 02318 02319 02320 02321 02322 02323 02324	J1142 J1113 J1113 J1113 J1113 J1113 J1113 J1112	56 42 36 26 25 13 13 19		J1113 J1113 J1113 J1113 J1113 J1113 J1112	42 36 26 25 13 13 19			16B 9 16B 9 16B 9 16B 9 16B 9 16B 9 16B 9				00 01 02 03 04 05 06 07	HBWC1A HBW3B0V HBW3B0V HBW3B0V HBW3B0V HBW3B0V HBW3B0V HBW3B0V	01 01 01 01 01 01 01 00	2 2 2 2 2 2 2 1	TQ2 TQ2 TQ2 TQ2 TQ2 TQ2 TQ2 TH1	D1 C1 C1 B1 B4 A4 B3 B5	26A 20A 17A 14A 12B 06B 09B 10B	C06
02325 02326 02327	J1113 J1113 J1112	54 23 01		J1113 J1112	23 01			16B 9 16B 9 16B 9			HBW4A0V HBW4A0V HBW4A0V	01 02 03	HBWAJA HBWAEA HBW4A0V	01 01 00	1	TQ2 TQ2 TH1	D1 B4 A4	25A 11B 02B	
02328 02329 02330	J1113 J1113 J1112	40 41 07		J1113 J1112	41 07			16B 9 16B 9 16B 9			HBW5A0V HBW5A0V HBW5A0V	01 02 03	HBWFAA HBWALA HBW5A0V	01 01 00	1	TQ2 TQ2 TH1	C1 D3 A5	19A 22B 04B	

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DRAWING NUMBER UNIT ASSEMBLY NAME			W110281452 CARD CAGE WIRED LH MTS			STRING			UNIT ASSEMBLY NO. FILE IDENT			REV F DATE		INDEX PAGE		HBW5A0V 68						
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	S	T	C	R	P	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	GAUGE	COLOR	IDENT													
02331	J1113	29	J1113	24	168	9	HBW6A0V	01	HBWAHA	01	1	TQ2	C3						14B			
02332	J1113	24	J1112	10	168	9	HBW6A0V	02	HBWABA	01	1	TQ2	B1						13A			
02333	J1112	10	J1112	10	168	9	HBW6A0V	03	HBW6A0V	00	1	THI	A6						06B			
01992	J1142	54	J1113	35	168	9	HBW7A0V	00	HBWC1A	01	1	TQ2	D1						25A		C06	
02334	J1113	35	J1112	24	168	9	HBW7A0V	01	HBWAIA	01	1	TQ2	C4						17B			
02335	J1112	24	J1112	24	168	9	HBW7A0V	02	HBW7A0V	00	1	THI	B1						13A			
02337	J1113	48	J1113	18	168	9	HBW8A0V	02	HBWAKA	01	1	TQ2	D2						22A			
02338	J1113	18	J1112	25	168	9	HBW8A0V	03	HBWACA	01	1	TQ2	B2						10A			
02339	J1112	25	J1112	25	168	9	HBW8A0V	04	HBW8A0V	00	1	THI	B2						11A			
02340	J1113	71	J1109	63	168	9	HBYPAP	01	HBVCP0	01	1	TQ2	F2						36A			
02341	J1109	63	J1109	63	168	9	HBYPAP	02	HBYPAP	00	1	TT3	E3						33B			
03546	J1145	23	J1124	60	168	9	HBVA10V	00	HBVA10V				EXT								A01	
02342	J1124	60	J1123	60	168	9	HBVA10V	01	HBC3A1V	01	1	R05	C1									
02343	J1123	60	J1122	60	168	9	HBVA10V	02	HBC6A1V	01	1	R05	C1									
02344	J1122	60	J1122	37	168	9	HBVA10V	03	HBC9A1V	01	1	R05	C1									
02345	J1122	37	J1123	37	168	9	HBVA10V	04	HBC8A1V	01	1	R05	B1									
02346	J1123	37	J1124	37	168	9	HBVA10V	05	HBC5A1V	01	1	R05	B1									
02347	J1124	37	J1124	13	168	9	HBVA10V	06	HBC2A1V	01	1	R05	B1									
02348	J1124	13	J1123	13	168	9	HBVA10V	07	HBC1A1V	01	1	R05	A1									
02349	J1123	13	J1122	13	168	9	HBVA10V	08	HBC4A1V	01	1	R05	A1									
02350	J1122	13	J1116	40	168	9	HBVA10V	09	HBC7A1V	01	1	R05	A1									
02351	J1116	40	J1116	40	168	9	HBVA10V	10	HBVA10V	00	1	THI	C1						19A			
03547	J1145	24	J1124	59	168	9	HBVA20V	00	HBVA20V				EXT								A01	
02352	J1124	59	J1123	59	168	9	HBVA20V	01	HBC3A2V	01	1	R05	C2									
02353	J1123	59	J1122	59	168	9	HBVA20V	02	HBC6A2V	01	1	R05	C2									
02354	J1122	59	J1122	39	168	9	HBVA20V	03	HBC9A2V	01	1	R05	C2									
02355	J1122	39	J1123	39	168	9	HBVA20V	04	HBC8A2V	01	1	R05	B2									
02356	J1123	39	J1124	39	168	9	HBVA20V	05	HBC5A2V	01	1	R05	B2									
02357	J1124	39	J1124	17	168	9	HBVA20V	06	HBC2A2V	01	1	R05	B2									
02358	J1124	17	J1123	17	168	9	HBVA20V	07	HBC1A2V	01	1	R05	A2									
02359	J1123	17	J1122	17	168	9	HBVA20V	08	HBC4A2V	01	1	R05	A2									
02360	J1122	17	J1116	34	168	9	HBVA20V	09	HBC7A2V	01	1	R05	A2									
02361	J1116	34	J1116	34	168	9	HBVA20V	10	HBVA20V	00	1	THI	C3						15A			
03548	J1145	25	J1124	61	168	9	HBVA30V	00	HBVA30V				EXT								A01	
02362	J1124	61	J1123	61	168	9	HBVA30V	01	HBC3A3V	01	1	R05	C3									
02363	J1123	61	J1122	61	168	9	HBVA30V	02	HBC6A3V	01	1	R05	C3									
02364	J1122	61	J1122	41	168	9	HBVA30V	03	HBC9A3V	01	1	R05	C3									
02365	J1122	41	J1123	41	168	9	HBVA30V	04	HBC8A3V	01	1	R05	B3									
02366	J1123	41	J1124	41	168	9	HBVA30V	05	HBC5A3V	01	1	R05	B3									
02367	J1124	41	J1124	19	168	9	HBVA30V	06	HBC2A3V	01	1	R05	B3									
02368	J1124	19	J1123	19	168	9	HBVA30V	07	HBC1A3V	01	1	R05	A3									
02369	J1123	19	J1122	19	168	9	HBVA30V	08	HBC4A3V	01	1	R05	A3									
							****	SIGNAL	(HBVA30V	IS ON THE												NEXT PAGE ****

DRAWING NUMBER WL10281452					UNIT ASSEMBLY NO. 10281452					REV F		DATE 09-01-82			INDEX PAGE 69								
UNIT ASSEMBLY NAME CARO CAGE WIRED LH MTS					STRING					FILE IDENT TSQ3MSSL													
RECORD NUMBER	PREFIX	CONNECTOR	PIN	SN	PREFIX	CONNECTOR	PIN	SN	MULTI GROUP	CODE	COLOR	IDENT	SIGNAL	SEQ NO	EQUATION	TERM FACT	TEST POINT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
02370		J1122	19		J1116	31				168	9		HBYA30V	09	HBC7A3V	01	1	R05	A3				
02371		J1116	31							168	9		HBYA30V	10	HBYA30V	00	1	THI	C5		168		
02372	J1116	54			J1122	69				168	9		HBYA40V	01	HBYA40V	00	1	THI	D1		25A		
02373	J1122	69			J1123	69				168	9		HBYA40V	02	HBC9A4V	01	1	R05	C4				
02374	J1123	69			J1124	69				168	9		HBYA40V	03	HBC6A4V	01	1	R05	C4				
02375	J1124	69			J1124	49				168	9		HBYA40V	04	HBC3A4V	01	1	R05	C4				
02376	J1124	49			J1123	49				168	9		HBYA40V	05	HBC2A4V	01	1	R05	B4				
02377	J1123	49			J1122	49				168	9		HBYA40V	06	HBC5A4V	01	1	R05	B4				
02378	J1122	49			J1122	25				168	9		HBYA40V	07	HBC8A4V	01	1	R05	B4				
02379	J1122	25			J1123	25				168	9		HBYA40V	08	HBC7A4V	01	1	R05	A4				
02380	J1123	25			J1124	25				168	9		HBYA40V	09	HBC4A4V	01	1	R05	A4				
02381	J1124	25			J1145	26				168	9		HBYA40V	10	HBC1A4V	01	1	R05	A4				A01
03549	J1145	26								168	9		HBYA40V	11				EXT					A01
03550	J1145	27			J1124	71				168	9		HBYA50V	00				EXT					A01
02382	J1124	71			J1123	71				168	9		HBYA50V	01	HBC3A5V	01	1	R05	C5				
02383	J1123	71			J1122	71				168	9		HBYA50V	02	HBC6A5V	01	1	R05	C5				
02384	J1122	71			J1122	51				168	9		HBYA50V	03	HBC9A5V	01	1	R05	C5				
02385	J1122	51			J1123	51				168	9		HBYA50V	04	HBC8A5V	01	1	R05	B5				
02386	J1123	51			J1124	51				168	9		HBYA50V	05	HBC5A5V	01	1	R05	B5				
02387	J1124	51			J1124	27				168	9		HBYA50V	06	HBC2A5V	01	1	R05	B5				
02388	J1124	27			J1123	27				168	9		HBYA50V	07	HBC1A5V	01	1	R05	A5				
02389	J1123	27			J1122	27				168	9		HBYA50V	08	HBC4A5V	01	1	R05	A5				
02390	J1122	27			J1116	48				168	9		HBYA50V	09	HBC7A5V	01	1	R05	A5				
02391	J1116	48								168	9		HBYA50V	10	HBYA50V	00	1	THI	D3		21A		
03552	J1145	29			J1124	73				168	9		HBYA60V	00				EXT					A01
02392	J1124	73			J1123	73				168	9		HBYA60V	01	HBC3A6V	01	1	R05	C6				
02393	J1123	73			J1122	73				168	9		HBYA60V	02	HBC6A6V	01	1	R05	C6				
02394	J1122	73			J1122	53				168	9		HBYA60V	03	HBC9A6V	01	1	R05	C6				
02395	J1122	53			J1123	53				168	9		HBYA60V	04	HBC8A6V	01	1	R05	B6				
02396	J1123	53			J1124	53				168	9		HBYA60V	05	HBC5A6V	01	1	R05	B6				
02397	J1124	53			J1124	31				168	9		HBYA60V	06	HBC2A6V	01	1	R05	B6				
02398	J1124	31			J1123	31				168	9		HBYA60V	07	HBC1A6V	01	1	R05	A6				
02399	J1123	31			J1122	31				168	9		HBYA60V	08	HBC4A6V	01	1	R05	A6				
02400	J1122	31			J1116	43				168	9		HBYA60V	09	HBC7A6V	01	1	R05	A6				
02401	J1116	43								168	9		HBYA60V	10	HBYA60V	00	1	THI	D5		24B		
02402	J1113	73			J1112	79				168	9		HBYPBA	01	HBYP0	01	2	TQ2	E2		36B		
02403	J1112	79			J1109	55				168	9		HBYPBA	02	HBYP0V	01	1	THI	F1		39B		
02404	J1109	55								168	9		HBYPBA	03	HBYPBA	00	1	TT3	E2		29B		
02405	J1147	43			J1112	80				168	9		HBYP0V	01				FTH					
02406	J1112	80								168	9		HBYP0V	02	HBYP0V	00	1	THI	F1		38B	CLOCK CKT MASK CT	
02407	J1121	60			J1120	60				168	9		HBVB10V	01	HBC3B1V	01	1	R05	C1				
02408	J1120	60			J1119	60				168	9		HBVB10V	02	HBC6B1V	01	1	R05	C1				
02409	J1119	60			J1116	37				168	9		HBVB10V	03	HBC9B1V	01	1	R05	C1				
02410	J1116	37			J1119	37				168	9		HBVB10V	04	HBVB10V	00	1	THI	C2		17A		
													**** SIGNAL (HBVB10V) IS ON THE NEXT PAGE ****										

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RECORD NUMBER	FROM		TO		WIRE		MULTI GROUP	COLOR	IDENT	SIGNAL	SEQ NO	EQUATION	TERM	S/C	CHK OR CHP TYPE	GRP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN														
02411	J1119	37	J1120	37	168	9				HBY810V	05	HBC881V	01	1	RO5	B1				
02412	J1120	37	J1121	37	168	9				HBY810V	06	HBC581V	01	1	RO5	B1				
02413	J1121	37	J1121	13	168	9				HBY810V	07	HBC281V	01	1	RO5	B1				
02414	J1121	13	J1120	13	168	9				HBY810V	08	HBC181V	01	1	RO5	A1				
02415	J1120	13	J1119	13	168	9				HBY810V	09	HBC481V	01	1	RO5	A1				
02416	J1119	13			168	9				HBY810V	10	HBC781V	01	1	RO5	A1				
02417	J1121	59	J1120	59	168	9				HBY820V	01	HBC382V	01	1	RO5	C2				
02418	J1120	59	J1119	59	168	9				HBY820V	02	HBC682V	01	1	RO5	C2				
02419	J1119	59	J1119	39	168	9				HBY820V	03	HBC982V	01	1	RO5	C2				
02420	J1119	39	J1120	39	168	9				HBY820V	04	HBC882V	01	1	RO5	B2				
02421	J1120	39	J1121	39	168	9				HBY820V	05	HBC582V	01	1	RO5	B2				
02422	J1121	39	J1121	17	168	9				HBY820V	06	HBC282V	01	1	RO5	B2				
02423	J1121	17	J1120	17	168	9				HBY820V	07	HBC182V	01	1	RO5	A2				
02424	J1120	17	J1119	17	168	9				HBY820V	08	HBC482V	01	1	RO5	A2				
02425	J1119	17	J1116	30	168	9				HBY820V	09	HBC782V	01	1	RO5	A2				
02426	J1116	30			168	9				HBY820V	10	HBY820V	00	1	THI	C4	14B			
02427	J1119	61	J1120	61	168	9				HBY830V	01	HBC983V	01	1	RO5	C3				
02428	J1120	61	J1121	61	168	9				HBY830V	02	HBC683V	01	1	RO5	C3				
02429	J1121	61	J1121	41	168	9				HBY830V	03	HBC383V	01	1	RO5	C3				
02430	J1121	41	J1120	41	168	9				HBY830V	04	HBC283V	01	1	RO5	B3				
02431	J1120	41	J1119	41	168	9				HBY830V	05	HBC583V	01	1	RO5	B3				
02432	J1119	41	J1116	42	168	9				HBY830V	06	HBC883V	01	1	RO5	B3				
02433	J1116	42	J1119	19	168	9				HBY830V	07	HBY830V	00	1	THI	C6	18B			
02434	J1119	19	J1120	19	168	9				HBY830V	08	HBC783V	01	1	RO5	A3				
02435	J1120	19	J1121	19	168	9				HBY830V	09	HBC483V	01	1	RO5	A3				
02436	J1121	19			168	9				HBY830V	10	HBC183V	01	1	RO5	A3				
02437	J1119	69	J1120	69	168	9				HBY840V	01	HBC984V	01	1	RO5	C4				
02438	J1120	69	J1121	69	168	9				HBY840V	02	HBC684V	01	1	RO5	C4				
02439	J1121	69	J1121	49	168	9				HBY840V	03	HBC384V	01	1	RO5	C4				
02440	J1121	49	J1120	49	168	9				HBY840V	04	HBC284V	01	1	RO5	B4				
02441	J1120	49	J1119	49	168	9				HBY840V	05	HBC584V	01	1	RO5	B4				
02442	J1119	49	J1116	49	168	9				HBY840V	06	HBC884V	01	1	RO5	B4				
02443	J1116	49	J1119	25	168	9				HBY840V	07	HBY840V	00	1	THI	D2	23A			
02444	J1119	25	J1120	25	168	9				HBY840V	08	HBC784V	01	1	RO5	A4				
02445	J1120	25	J1121	25	168	9				HBY840V	09	HBC484V	01	1	RO5	A4				
02446	J1121	25			168	9				HBY840V	10	HBC184V	01	1	RO5	A4				
02447	J1119	71	J1120	71	168	9				HBY850V	01	HBC985V	01	1	RO5	C5				
02448	J1120	71	J1121	71	168	9				HBY850V	02	HBC685V	01	1	RO5	C5				
02449	J1121	71	J1121	51	168	9				HBY850V	03	HBC385V	01	1	RO5	C5				
02450	J1121	51	J1120	51	168	9				HBY850V	04	HBC285V	01	1	RO5	B5				
02451	J1120	51	J1119	51	168	9				HBY850V	05	HBC585V	01	1	RO5	B5				
02452	J1119	51	J1116	46	168	9				HBY850V	06	HBC885V	01	1	RO5	B5				
02453	J1116	46	J1119	27	168	9				HBY850V	07	HBY850V	00	1	THI	D4	22B			
02454	J1119	27	J1120	27	168	9				HBY850V	08	HBC785V	01	1	RO5	A5				
02455	J1120	27	J1121	27	168	9				HBY850V	09	HBC485V	01	1	RO5	A5				
02456	J1121	27			168	9				HBY850V	10	HBC185V	01	1	RO5	A5				

DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV		INDEX					
HL10281452		CARD CAGE WIRED LH MTS												10281452		F		HBVB50V					
														TSQ3MTSL		DATE		PAGE					
																09-01-82		71					
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	OR	PREFIX	CONNECTOR	PIN	OR	MULTI GROUP	CODE	COLOR	IDENT											
02457	J1119	73		J1120	73					168	9		HBVB60V	01	HBC9B6V	01	1	R05	C6				
02458	J1120	73		J1121	73					168	9		HBVB60V	02	HBC6B6V	01	1	R05	C6				
02459	J1121	73		J1121	53					168	9		HBVB60V	03	HBC3B6V	01	1	R05	C6				
02460	J1121	53		J1120	53					168	9		HBVB60V	04	HBC2B6V	01	1	R05	B6				
02461	J1120	53		J1119	53					168	9		HBVB60V	05	HBC5B6V	01	1	R05	B6				
02462	J1119	53		J1116	53					168	9		HBVB60V	06	HBC8B6V	01	1	R05	B6				
02463	J1116	53		J1119	31					168	9		HBVB60V	07	HBVB60V	00	1	THI	D6		26B		
02464	J1119	31		J1120	31					168	9		HBVB60V	08	HBC7B6V	01	1	R05	A6				
02465	J1120	31		J1121	31					168	9		HBVB60V	09	HBC4B6V	01	1	R05	A6				
02466	J1121	31								168	9		HBVB60V	10	HBC1B6V	01	1	R05	A6				
02948	J1125	51		J1115	69					168	9		HBVCP0	00C	HBMYB2U	01	1	DBC	D2		25B	A01	
02467	J1115	69		J1113	72					168	9		HBVCP0	01	HBMYC2U	01	1	DBC	E2		32A		
02468	J1113	72								168	9		HBVCP0	02	HBVCP0	00	1	TQ2	F2		34A		
02469	J1128	24		J1116	13					168	9		HBOPNAV	01	HBB07A	01	1	TQ2	B1		13A		
02470	J1116	13								168	9		HBOPNAV	02	HBOPNAV	00	1	THI	A1		06A		
02471	J1126	79		J1126	65					168	9		HB20AAV	01	HBB06A	01	3	TT3	F1		39B		
02472	J1126	65		J1127	34					168	9		HB20AAV	02	HBB08A	01	1	TT3	F2		34B		
02473	J1127	34		J1113	08					168	9		HB20AAV	03	HB20AAV	00	1	THI	C3		15A		
02474	J1113	08								168	9		HB20AAV	04	HBB02A	01	1	TQ2	A1		06A		
02477	J1127	37		J1117	64					168	9		HB21BAV	01	HB21BAV	00	1	THI	C2		17A	CO1	
02871	J1117	64								168	9		HB21BAV	02	HBB8RA	01	2	TQ2	E2		30A	CO1	
02482	J1127	35		J1128	26					168	9		HB21B0V	01	HB21BAV	01	1	THI	C2		18A		
02483	J1128	26		J1117	68					168	9		HB21B0V	02	HBB07A	01	2	TQ2	B1		14A		
02946	J1117	68		J1116	08					168	9		HB21B0V	03	HBB8SA	01	1	TQ2	E1		32A	CO1	
02485	J1116	08								168	9		HB21B0V	04	HB21B0V	00	1	THI	A2		04A		
02486	J1135	35		J1135	42					168	9		HB5000V	01	HBKAJA	01	2	TT3	C3		17B		
02487	J1135	42		J1135	52					168	9		HB5000V	02	HBKAHA	01	3	TT3	C1		20A		
02488	J1135	52		J1126	52					168	9		HB5000V	03	HBKAKA	01	1	TT3	D1		24A		
02489	J1126	52		J1110	09					168	9		HB5000V	04	HBKALA	01	1	TT3	D1		24A		
02490	J1110	09		J1104	70					168	9		HB5000V	05	HBFA13E	01	2	TS4	A4		06B		
02491	J1104	70								168	9		HB5000V	06	HB5000V	00	1	THI	F3		34B		
02671	J1138	66		J1138	76					168	9		HCCFZ1	01				DR1	G4			A01	
03657	J1138	76		J1145	57					168	9		HCCFZ1	02				DR1	H4			A01	
03580	J1145	57								168	9		HCCFZ1	03				EXT				A01	
02672	J1138	72		J1138	78					168	9		HCCFZ2	01				DR1	G5			A01	
03658	J1138	78		J1145	59					168	9		HCCFZ2	02				DR1	H5			A01	
03582	J1145	59								168	9		HCCFZ2	03				EXT				A01	
02678	J1139	23		J1139	35					168	9		HCCFZ3	01				DR1	C1			A01	
03664	J1139	35		J1145	03					168	9		HCCFZ3	02				DR1	D1			A01	
										****		SIGNAL	HCCFZ3		IS ON THE			NEXT PAGE	****				

DRAWING NUMBER		UNIT ASSEMBLY NAME										STRING		UNIT ASSEMBLY NO.		REV		INDEX		PAGE		ECO NO		
WL10281452		CARD CAGE WIRED LH MTS												10281452		F		HCCFZ3		72				
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS										STRING		FILE IDENT		DATE		INDEX		PAGE		ECO NO		
TSQ3MTSL														09-01-82		HCCFZ3		72						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	DRP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT												SEC INET WIRE
03526		J1145	03										168	9										A01
02679		J1139	25		J1139	37							168	9										A01
03665		J1139	37		J1145	04							168	9										A01
03527		J1145	04										168	9										A01
02680		J1139	29		J1139	39							168	9										A01
03666		J1139	39		J1145	05							168	9										A01
03528		J1145	05										168	9										A01
02682		J1139	36		J1139	42							168	9										A01
03667		J1139	42		J1145	06							168	9										A01
03529		J1145	06										168	9										A01
03457		J1144	14		J1128	77							168	9										C06
02963		J1128	77		J1118	78							168	9										C06
02748		J1118	78										168	9										C06
03600		J1145	77		J1144	13							168	9										C06
03456		J1144	13										168	9										C06
02492		J1146	30		J1132	01							168	9										
02493		J1132	01										168	9										
02494		J1146	31		J1132	04							168	9										
02495		J1132	04										168	9										
02496		J1146	33		J1132	05							168	9										
02497		J1132	05										168	9										
02498		J1146	34		J1132	06							168	9										
02499		J1132	06										168	9										
02500		J1146	35		J1132	07							168	9										
02501		J1132	07										168	9										
02502		J1146	36		J1132	08							168	9										
02503		J1132	08										168	9										
02504		J1146	37		J1132	10							168	9										
02505		J1132	10										168	9										
02506		J1146	38		J1132	13							168	9										
02507		J1132	13										168	9										
02508		J1146	39		J1132	14							168	9										
02509		J1132	14										168	9										
02510		J1146	40		J1132	18							168	9										
02511		J1132	18										168	9										

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE								
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		HCE10A 73								
RECORD NUMBER	FROM				TO				WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	DRIFT	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT												SPC INST	DRIFT
02512	J1146	41		J1132	19			168	9			HCE11A	01											
02513	J1132	19						168	9			HCE11A	02	HBJAB0	01	3	EXT	TS8	B1		098			
02514	J1146	42		J1132	20			168	9			HCE12A	01											
02515	J1132	20						168	9			HCE12A	02	HBJAB0	01	4	EXT	TS8	B1		11A			
02516	J1146	43		J1106	77			168	9			HCE13A	01											
02798	J1106	77						168	9			HCE13A	02	HBJBA0	01	2	EXT	TD4	F1		388		C01	
02518	J1146	45		J1106	78			168	9			HCE14A	01											
02790	J1106	78						168	9			HCE14A	02	HBJBA0	01	3	EXT	TD4	F1		38A		C01	
02520	J1146	46		J1106	79			168	9			HCE15A	01											
02802	J1106	79						168	9			HCE15A	02	HBJBA0	01	4	EXT	TD4	F1		398		C01	
02522	J1146	47		J1126	49			168	9			HCE16A	01											
01903	J1126	49						168	9			HCE16A	02	HBJACO	01	3	EXT	TT3	D3		268		C01	
02524	J1146	48		J1126	45			168	9			HCE17A	01											
02525	J1126	45						168	9			HCE17A	02	HBJACO	01	1	EXT	TT3	D3		248			
02526	J1146	49		J1126	47			168	9			HCE18A	01											
02527	J1126	47						168	9			HCE18A	02	HBJACO	01	2	EXT	TT3	D3		258			
02665	J1138	47		J1138	55			168	9			HCFF021	01											
03010	J1138	55		J1145	51			168	9			HCFF021	02											
03574	J1145	51						168	9			HCFF021	03											
02666	J1138	48		J1138	56			168	9			HCFF022	01											
03031	J1138	56		J1145	52			168	9			HCFF022	02											
03575	J1145	52						168	9			HCFF022	03											
02667	J1138	52		J1138	62			168	9			HCFF023	01											
03035	J1138	62		J1145	53			168	9			HCFF023	02											
03576	J1145	53						168	9			HCFF023	03											
02668	J1138	61		J1138	71			168	9			HCFF024	01											
03043	J1138	71		J1145	54			168	9			HCFF024	02											
03577	J1145	54						168	9			HCFF024	03											
02669	J1138	63		J1138	73			168	9			HCFF025	01											
03655	J1138	73		J1145	55			168	9			HCFF025	02											
03578	J1145	55						168	9			HCFF025	03											
02670	J1138	65		J1138	75			168	9			HCFF026	01											
03656	J1138	75		J1145	56			168	9			HCFF026	02											
03579	J1145	56						168	9			HCFF026	03											
												****	SIGNAL	(HCFIZ1	IS ON THE NEXT PAGE ****									

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DRAWING NUMBER UNIT ASSEMBLY NAME				STRING				UNIT ASSEMBLY NO. FILE IDENT				REV F DATE		INDEX PAGE		HCFI1 74							
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CUT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT									SPC TEST INUSE	AND			OR
02657	J1138	25		J1138	37		168	9			HCFI21	01				DR1	C2					A01	
02815	J1138	37		J1145	45		168	9			HCFI21	02				DR1	D2					A01	
03568	J1145	45					168	9			HCFI21	03				EXT						A01	
02658	J1138	29		J1138	39		168	9			HCFI22	01				DR1	C3					A01	
02857	J1138	39		J1145	46		168	9			HCFI22	02				DR1	D3					A01	
03569	J1145	46					168	9			HCFI22	03				EXT						A01	
02660	J1138	36		J1138	42		168	9			HCFI23	01				DR1	C4					A01	
02858	J1138	42		J1145	47		168	9			HCFI23	02				DR1	D4					A01	
03570	J1145	47					168	9			HCFI23	03				EXT						A01	
02661	J1138	38		J1138	46		168	9			HCFI24	01				DR1	C5					A01	
02902	J1138	46		J1145	48		168	9			HCFI24	02				DR1	D5					A01	
03571	J1145	48					168	9			HCFI24	03				EXT						A01	
02663	J1138	41		J1138	51		168	9			HCFI25	01				DR1	E1					A01	
02967	J1138	51		J1145	49		168	9			HCFI25	02				DR1	F1					A01	
03572	J1145	49					168	9			HCFI25	03				EXT						A01	
02664	J1138	45		J1138	53		168	9			HCFI26	01				DR1	E2					A01	
02976	J1138	53		J1145	50		168	9			HCFI26	02				DR1	F2					A01	
03573	J1145	50					168	9			HCFI26	03				EXT						A01	
02528	J1146	54		J1142	05		168	9			HCI01A	01			EXT							802	
01259	J1142	05					168	9			HCI01A	02	HBFANA	01 2	TQ2	A2			03B			802	
02530	J1146	55		J1142	07		168	9			HCI02A	01			EXT							802	
01272	J1142	07					168	9			HCI02A	02	HBFAUA	01 2	TQ2	A3			03A			802	
03590	J1145	67		J1138	19		168	9			HCJAPD6	01			EXT							002	
01484	J1138	19		J1138	07		168	9			HCJAPD6	02				DR1	B2					002	
01485	J1138	07		J1145	62		168	9			HCJAPD6	03				DR1	A2					002	
03585	J1145	62					168	9			HCJAPD6	04				EXT						002	
03599	J1145	76		J1138	24		168	9			HCJAR D6	01			EXT							002	
01490	J1138	24		J1138	09		168	9			HCJAR D6	02				DR1	B4					002	
01491	J1138	09		J1145	63		168	9			HCJAR D6	03				DR1	A4					002	
03586	J1145	63					168	9			HCJAR D6	04				EXT						002	
03835	J1118	66		J1146	06		168	9			HCPRB+51	01				RR1	G4					C06	
02562	J1146	06					168	9			HCPRB+51	02				EXT						C06	
02534	J1146	68		J1130	62		168	9			HCP5L0	01			EXT							804	
01983	J1130	62					168	9			HCP5L0	02	HBST9I	01 1	TDD	KI			29A			804	
02536	J1146	66		J1130	68		168	9			HCP5M0	01			EXT							804	
01971	J1130	68					168	9			HCP5M0	02	HBST7I	01 1	TDD	JI			32A			804	
02689	J1139	52		J1136	75		168	9			HCO1A01	00				DR1	E5					C06	
							****			SIGNAL	HCO1A01												

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DRAWING NUMBER UNIT ASSEMBLY NAME		STRING WIRED LH MTS										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		HC01A01 75				
RECORD NUMBER	PREFIX	CONNECTOR	PIN	PIN	CONDUCTOR	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	SIGNAL	SEQ NO	EQUATION	TERM	FACT	CXT OR CHRP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
02773	J1136	75		J1117	54		168	9				HC01A01	01				RR1	H3				C01
02310	J1117	54		J1116	73		168	9				HC01A01	02	HBB27A	01	1	TQ2	D1		25A		C01
02935	J1116	73					168	9				HC01A01	03	HBB390V	01	1	THI	F2		37B		C01
03594	J1145	71		J1139	49		168	9				HC01A06	01				EXT					C06
02649	J1139	49					168	9				HC01A06	02				DR1	EP				C06
02694	J1139	72		J1136	76		168	9				HC01B01	00				DR1	G5				C06
02782	J1136	76		J1128	65		168	9				HC01B01	01				RR1	H4				C01
02965	J1128	65		J1116	74		168	9				HC01B01	02	HBB29A	01	1	TQ2	F3		34B		C01
02931	J1116	74					168	9				HC01B01	03	HBB400V	01	1	THI	F4		35A		C01
03601	J1145	78		J1139	70		168	9				HC01B06	01				EXT					C06
02654	J1139	70					168	9				HC01B06	02				DR1	GP				C06
03938	J1146	02		J1144	06		180	0				HC1GND	01				EXT					
03449	J1144	06					180	0				HC1GND	02				MTS					
02546	J1146	50		J1130	10		168	9				HC10SP	01				EXT					
02547	J1130	10		J1130	79		168	9				HC10SP	02	HBKC1N	01	1	TDD	AN		07A		C06
01532	J1130	79					168	9				HC10SP	03	HBST1N	01	1	TDD	LN		39B		C06
02549	J1136	47		J1116	75		168	9				HC20A01	01				RR1	E3				C01
02934	J1116	75		J1109	33		168	9				HC20A01	02	HBB410V	01	1	THI	F6		39A		C01
02829	J1109	33					168	9				HC20A01	03	HBB31A	01	1	TT3	C3		16B		C01
02555	J1140	79		J1140	70		168	9				HC20SP	01	HBSTON	01	1	TDD	LN		39B		
02556	J1140	70		J1146	51		168	9				HC20SP	02	HBST6N	01	1	TDD	JN		33A		
02557	J1146	51					168	9				HC20SP	03				EXT					
02558	J1146	05		J1116	06		168	9				HC21B0	01				EXT					
02559	J1116	06					168	9				HC21B0	02	HB21BOV	01	1	THI	A2		05A		
02560	J1146	04		J1116	11		168	9				HC21C0	01				EXT					
02561	J1116	11					168	9				HC21C0	02	HBOPNAV	01	1	THI	A1		07A		
02662	J1138	40		J1136	77		168	9				HC40A01	00				DR1	I1				C06
02791	J1136	77		J1104	45		168	9				HC40A01	01				RR1	H5				C01
02716	J1104	45		J1103	37		168	9				HC40A01	02	HBB420V	01	1	THI	D5		25B		C01
02707	J1103	37					168	9				HC40A01	03	HBB33A	01	2	TQ2	C4		18B		C01
03596	J1145	73		J1138	30		168	9				HC40A06	01				EXT					C06
02659	J1138	30					168	9				HC40A06	02				DR1	I1				C06
02684	J1139	40		J1136	78		168	9				HC40B01	00				DR1	I1				C06
02799	J1136	78		J1112	73		168	9				HC40B01	01				RR1	H6				C01
02839	J1112	73		J1109	71		168	9				HC40B01	02	HBB430V	01	1	THI	F2		37B		C01
02889	J1109	71					168	9				HC40B01	03	HBB35A	01	2	TT3	F2		36A		C01
03597	J1145	74		J1139	30		168	9				HC40B06	01				EXT					C06
							****	SIGNAL	(HC40B06	IS ON THE			NEXT PAGE			****						

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RECORD NUMBER	FROM			TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	CKT OR CRIP FACTOR	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT											
02681		J1139	30					168	9			HC40B06	02			DR1	11				C06
02570		J1146	63		J1135	29		168	9			HC51L0	01			EXT					
02571		J1135	29					168	9			HC51L0	02	HBKAEA	01	1	TT3	C2	14B		
02572		J1146	60		J1135	21		168	9			HC51M0	01			EXT					
02573		J1135	21					168	9			HC51M0	02	HBKADA	01	1	TT3	B3	10B		
02574		J1146	64		J1135	30		168	9			HC52L0	01			EXT					
02575		J1135	30					168	9			HC52L0	02	HBKAEA	01	2	TT3	C2	15A		
02576		J1146	61		J1135	23		168	9			HC52M0	01			EXT					
02577		J1135	23					168	9			HC52M0	02	HBKADA	01	2	TT3	B3	11B		
02578		J1146	65		J1135	34		168	9			HC53L0	01			EXT					
02579		J1135	34					168	9			HC53L0	02	HBKAEA	01	3	TT3	C2	16A		
02580		J1146	62		J1135	25		168	9			HC53M0	01			EXT					
02581		J1135	25					168	9			HC53M0	02	HBKADA	01	3	TT3	B3	12B		
03355		J1129	72		J1103	43		168	9			SPI001	01			RR4	G1				C01
02698		J1103	43		J1107	66		168	9			SPI001	04	HBNY1A	01	2	TQ2	D3	23B		E07
03269		J1107	66		J1107	53		168	9			SPI001	06		01	1	TT3	E1	31A		C06
03256		J1107	53		J1107	57		168	9			SPI001	07		01	1	TT3	E2	28B		C06
03260		J1107	57		J1107	75		168	9			SPI001	08		01	1	TT3	E3	30B		C06
03278		J1107	75					168	9			SPI001	09		01	1	TT3	F1	37B		C06
03275		J1107	72		J1107	77		168	9			SPI002	01	HBSB9A	01	3	TT3	F2	34A		C06
03280		J1107	77		J1107	59		168	9			SPI002	02		01	2	TT3	F1	38B		C06
03262		J1107	59		J1107	60		168	9			SPI002	03		01	2	TT3	E3	31B		C06
03263		J1107	60		J1107	68		168	9			SPI002	04		01	2	TT3	E2	28A		C06
03271		J1107	68		J1107	47		168	9			SPI002	05		01	2	TT3	E1	32A		C06
03250		J1107	47		J1105	10		168	9			SPI002	06	HBUUTO	01	2	TT3	D3	25B		E07
02704		J1105	10		J1129	73		168	9			SPI002	07		01	1	TDD	AN	07A		C06
03356		J1129	73					168	9			SPI002	08			RR4	H4				
03354		J1129	71		J1105	80		168	9			SPI003	01			RR4	H5				
02713		J1105	80		J1105	66		168	9			SPI003	02	HBMYTQ	01	1	TDD	LQ	39A		
02714		J1105	66		J1105	51		168	9			SPI003	03	HBSA2P	01	1	TDD	JP	31A		
02715		J1105	51		J1105	38		168	9			SPI003	04	HBLAKQ	01	1	TDD	GQ	27B		C01
02718		J1105	38		J1105	24		168	9			SPI003	07	HBT6KP	01	1	TDD	EP	18A		
02719		J1105	24		J1105	08		168	9			SPI003	08	HBB35I	01	1	TDD	CI	13A		C01
02720		J1105	08		J1107	48		168	9			SPI003	09		01	1	TDD	AI	06A		C06
03251		J1107	48					168	9			SPI003	10	HBJBDO	01	3	TT3	O2	22A		C06
02722		J1105	06		J1105	29		168	9			SPI004	02		01	1	TDD	AP	05A		C06
02733		J1105	29		J1105	72		168	9			SPI004	04	HBT5KQ	01	1	TDD	FQ	14B		C06
02725		J1105	72		J1129	75		168	9			SPI004	05		01	1	TDD	MN	34A		
03358		J1129	75					168	9			SPI004	06			RR4	H3				
											****	SIGNAL	SPI005	IS ON THE	NEXT PAGE	****					

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DRAWING NUMBER UNIT ASSEMBLY NAME				WL10281452 CARD CAGE WIRED LH MTS			STRING				UNIT ASSEMBLY NO. FILE IDENT				10281452 TSQ3MTSL				REV F DATE				INDEX PAGE				SPI005 77			
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO								
	PREFIX	CONNECTOR	PIN	C/S	PREFIX	CONNECTOR	PIN	C/S	MULTI GROUP	CODE	COLOR	IDENT											TYPE							
01731		J1113	76			J1106	26				168	9	SPI005	00C	HBLDC0	01	1	TQ2	F4	37A	C05									
02727		J1106	26			J1106	20				168	9	SPI005	01	HBSUIA	01	4	TD4	B1	14A										
02728		J1106	20			J1106	13				168	9	SPI005	02	HBS5IA	01	4	TD4	B2	11A	E07									
02730		J1106	13			J1105	15				168	9	SPI005	04	HBTDEA	01	4	TD4	A1	06B	C02									
02731		J1105	15			J1105	73				168	9	SPI005	05		01	1	TDD	AQ	07B	C06									
02734		J1105	73			J1129	76				168	9	SPI005	08		01	1	TDD	MP	36B										
03359		J1129	76								168	9	SPI005	09				RR4	H2											
02098		J1106	48			J1105	05				168	9	SPI006	00	HBTFA0	01	3	TD4	D2	22A	C06									
02736		J1105	05			J1105	18				168	9	SPI006	01	HBB87I	01	1	TDD	BI	03B	C01									
02737		J1105	18			J1105	65				168	9	SPI006	02	HBB33I	01	1	TDD	DI	10A	C01									
02738		J1105	65			J1115	63				168	9	SPI006	03		01	1	TDD	MQ	34B	A01									
02740		J1115	63			J1125	50				168	9	SPI006	05	HBCTE1U	01	5	DBC	D1	31A										
02742		J1125	50			J1129	63				168	9	SPI006	07	HBCTD1U	01	5	DBC	C1	24A										
03346		J1129	63								168	9	SPI006	071				RR4	G4		B04									
03240		J1107	37			J1105	01				168	9	SPI007	00	HBWC2A	01	3	TT3	C3	18B	C06									
02744		J1105	01			J1105	14				168	9	SPI007	01	HBB87N	01	1	TDD	BN	02B	C01									
02745		J1105	14			J1110	78				168	9	SPI007	02	HBB33N	01	1	TDD	DN	09A	C01									
02746		J1110	78			J1115	64				168	9	SPI007	03	HBCWD2E	01	2	TS4	F3	38A	A01									
02747		J1115	64			J1125	47				168	9	SPI007	04	HBCTE4U	01	1	DBC	D4	30A										
02749		J1125	47			J1129	61				168	9	SPI007	06	HBCTD3U	01	1	DBC	C3	23A										
03344		J1129	61			J1140	03				168	9	SPI007	061				RR4	G5		B04									
02751		J1140	03								168	9	SPI007	08	HBSTCQ	01	1	TDD	BQ	02A	B04									
03273		J1107	70			J1107	62				168	9	SPI008	02		01	3	TT3	E1	33A	C06									
03265		J1107	62			J1107	61				168	9	SPI008	03		01	3	TT3	E2	29A	C06									
03264		J1107	61			J1107	79				168	9	SPI008	04		01	3	TT3	E3	32B	C06									
03282		J1107	79			J1107	65				168	9	SPI008	041		01	3	TT3	F1	39B	C06									
03268		J1107	65			J1125	48				168	9	SPI008	042	HBSB9A	01	1	TT3	F2	34B	E07									
02756		J1125	48			J1129	66				168	9	SPI008	05	HBCTD4U	01	1	DBC	C4	22A										
03349		J1129	66			J1135	56				168	9	SPI008	06				RR4	G2		B04									
02537		J1135	56								168	9	SPI008	07	HBKAKA	01	3	TT3	D1	26A	B04									
03221		J1107	18			J1107	26				168	9	SPI009	0M	HBSB6A	01	3	TT3	B2	10A	C06									
03229		J1107	26			J1107	42				168	9	SPI009	0S	HBSB40	01	3	TT3	B1	14A	C06									
03245		J1107	42			J1113	59				168	9	SPI009	00	HBSB80	01	3	TT3	C1	20A	E07									
00975		J1113	59			J1117	50				168	9	SPI009	00F	HBCSC0	01	1	TQ2	E4	31B	C01									
02235		J1117	50			J1108	59				168	9	SPI009	00L	HBNY2A	01	2	TQ2	D2	23A	B03									
02237		J1108	59			J1129	78				168	9	SPI009	001	HBLA31U	01	4	DBC	D1	30B	C01									
03361		J1129	78			J1140	29				168	9	SPI009	031				RR4	H1		B04									
02764		J1140	29								168	9	SPI009	06	HBRCYQ	01	1	TDD	FQ	14B	B02									
03237		J1107	34			J1106	24				168	9	SPI010	02	HBSB7A	01	3	TT3	C2	16A	C06									
02767		J1106	24			J1105	26				168	9	SPI010	03	HBSUIA	01	2	TD4	B1	13A	E07									
02768		J1105	26			J1105	39				168	9	SPI010	04	HBB35N	01	1	TDD	CN	14A	C01									
02769		J1105	39			J1105	41				168	9	SPI010	05	HBT6KQ	01	1	TDD	EQ	19B										
02770		J1105	41			J1105	63				168	9	SPI010	06	HBCCQT	01	1	TDD	HQ	22B										
02771		J1105	63			J1105	71				168	9	SPI010	07	HBSA2Q	01	1	TDD	JQ	33B										
02772		J1105	71			J1129	65				168	9	SPI010	08		01	1	TDD	MI	36A										
													****	SIGNAL	(SPI010)			IS ON THE												
																		NEXT PAGE				****								

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DRAWING NUMBER		UNIT ASSEMBLY NAME		STRING		UNIT ASSEMBLY NO.		REV		INDEX			
WL10281452		CARD CAGE WIRED LH MTS		STRING		10281452		F		SP1010			
RECORD NUMBER	FROM	TO		WIRE		SIGNAL	SEQ NO	EQUATION	TEST POINT	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX CONNECTOR PIN	PREFIX CONNECTOR PIN	MULTI GROUP	CODE COLOR	IDENT				TEST POINT	GROUP			
03348	J1129 65			168 9		SPI010	09		RR4	G3			
02778	J1106 30	J1106 37		168 9		SPI011	05		01 1 TD4	C2	15A		
02779	J1106 37	J1106 55		168 9		SPI011	06		01 1 TD4	C1	18B		
02780	J1106 55	J1129 62		168 9		SPI011	07		01 1 TD4	E2	29B		C01
03345	J1129 62			168 9		SPI011	09		RR4	F1			
02786	J1106 34	J1106 40		168 9		SPI012	04		01 3 TD4	C2	16A		
02787	J1106 40	J1106 62		168 9		SPI012	05		01 3 TD4	C1	19A		
02788	J1106 62	J1129 56		168 9		SPI012	06		01 3 TD4	E2	29A		C06
03339	J1129 56			168 9		SPI012	09		RR4	F2			
02792	J1106 18	J1106 31		168 9		SPI013	01	HBSSIA	01 2 TD4	B2	10A		E07
02793	J1106 31	J1106 38		168 9		SPI013	02		01 2 TD4	C2	15B		
02794	J1106 38	J1108 48		168 9		SPI013	03		01 2 TD4	C1	18A		
02795	J1108 48	J1106 60		168 9		SPI013	04	HBLA14U	01 1 DBC	C4	22A		
02796	J1106 60	J1129 55		168 9		SPI013	05		01 2 TD4	E2	28A		C06
03338	J1129 55			168 9		SPI013	08		RR4	F3			
01371	J1108 75	J1106 36		168 9		SPI014	00C	HBCGA1U	01 3 DBC	E1	35B		C02
02800	J1106 36	J1106 42		168 9		SPI014	01		01 4 TD4	C2	17A		
02801	J1106 42	J1106 64		168 9		SPI014	02		01 4 TD4	C1	20A		C01
02803	J1106 64	J1115 59		168 9		SPI014	04		01 4 TD4	E2	30A		C06
02806	J1115 59	J1125 45		168 9		SPI014	07	HBCTE1U	01 4 DBC	D1	30B		B03
02810	J1125 45	J1129 53		168 9		SPI014	11	HBCTD1U	01 4 DBC	C1	23B		E03
03336	J1129 53	J1140 39		168 9		SPI014	121		RR4	F4			C01
02814	J1140 39			168 9		SPI014	15	HBCC3Q	01 1 TDD	EQ	19B		B04
02831	J1108 47	J1108 73		168 9		SPI015	15	HBLA13U	01 1 DBC	C3	23A		C06
01365	J1108 73	J1115 78		168 9		SPI015	17	HBCGA1U	01 2 DBC	E1	34B		C02
02844	J1115 78	J1114 76		168 9		SPI015	28	HBMYC4U	01 1 DBC	E4	38A		
02845	J1114 76	J1114 77		168 9		SPI015	29		01 2 EDR	F3	37A		
02846	J1114 77	J1114 71		168 9		SPI015	30		01 1 EDR	F2	38B		
02847	J1114 71	J1114 70		168 9		SPI015	31		01 1 EDR	F1	35B		
02848	J1114 70	J1114 64		168 9		SPI015	32		01 2 EDR	F4	34A		
02849	J1114 64	J1114 63		168 9		SPI015	33		01 2 EDR	E3	31A		
02850	J1114 63	J1114 57		168 9		SPI015	34		01 1 EDR	E2	32B		
02851	J1114 57	J1114 55		168 9		SPI015	35		01 2 EDR	E4	28A		
02852	J1114 55	J1115 53		168 9		SPI015	36		01 1 EDR	E1	29B		
02853	J1115 53	J1114 52		168 9		SPI015	37	HBCTE1U	01 1 DBC	D1	26B		
02854	J1114 52	J1114 46		168 9		SPI015	38		01 2 EDR	D3	24A		
02855	J1114 46	J1115 48		168 9		SPI015	39		01 2 EDR	D4	21A		
02856	J1115 48	J1129 51		168 9		SPI015	40	HBLA24U	01 1 DBC	C4	22A		
03334	J1129 51			168 9		SPI015	41		RR4	F5			
02523	J1132 26	J1130 26		168 9		SPI016	08	HBJAB0	01 8 TS8	B1	14A		C01
02146	J1130 26	J1129 17		168 9		SPI016	00		01 1 TDD	CN	14A		C01
03300	J1129 17	J1126 30		168 9		SPI016	01		RR4	B4			B03
02862	J1126 30	J1125 41		168 9		SPI016	05	HBWBCA	01 2 TT3	C2	15A		E07
02865	J1125 41	J1125 61		168 9		SPI016	08	HBCTD1U	01 2 DBC	C1	19B		
**** SIGNAL (SPI016) IS ON THE NEXT PAGE ****													

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DRAWING NUMBER **WL10281452** UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS** STRING UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **SPI016**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **79**

RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	Z TERM	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT										
02866		J1125	61		J1125	73		168	9		SPI016	09	HBMVB3U	01	1	DBC	D3		31B	
02867		J1125	73		J1114	48		168	9		SPI016	10	HBCGB1U	01	2	DBC	E1		34B	C01
02876		J1114	48		J1115	55		168	9		SPI016	19		01	1	EOR	D4		22A	
02877		J1115	55		J1114	54		168	9		SPI016	20	HBCTE1U	01	2	DBC	D1		27B	
02878		J1114	54		J1114	60		168	9		SPI016	21		01	1	EOR	D3		25A	
02879		J1114	60		J1114	53		168	9		SPI016	22		01	1	EOR	E4		29A	B01
03731		J1114	53		J1114	61		168	9		SPI016	23		01	2	EOR	E1		28B	B01
03733		J1114	61		J1114	66		168	9		SPI016	24		01	2	EOR	E2		31B	B01
02882		J1114	66		J1114	72		168	9		SPI016	25		01	1	EOR	E3		32A	
02883		J1114	72		J1114	78		168	9		SPI016	26		01	1	EOR	F4		35A	
02884		J1114	78		J1114	75		168	9		SPI016	27		01	1	EOR	F3		38A	B01
03738		J1114	75		J1114	69		168	9		SPI016	28		01	2	EOR	F2		37B	B01
03736		J1114	69		J1110	73		168	9		SPI016	29		01	2	EOR	F1		34B	B01
02887		J1110	73		J1108	79		168	9		SPI016	30	HBCWDOE	01	2	TS4	F1		36B	C02
02891		J1108	79					168	9		SPI016	34	HBCGA3U	01	1	DBC	E3		37B	C01
02899		J1140	17		J1140	17		168	9		SPI017	01	HBBATN	01	1	TDD	MN		34A	C01
02904		J1140	72		J1130	03		168	9		SPI017	06	HBCR1Q	01	1	TDD	DQ		08B	B04
02906		J1130	03		J1130	17		168	9		SPI017	08	HBCR3Q	01	1	TDD	BQ		02A	
02907		J1130	17		J1129	19		168	9		SPI017	09	HBCR2Q	01	1	TDD	DQ		08B	
03302		J1129	19		J1126	37		168	9		SPI017	095				RR4	B5			B03
02911		J1126	37		J1126	42		168	9		SPI017	13	HBSC70	01	3	TT3	C3		18B	E07
02913		J1126	42		J1125	43		168	9		SPI017	15	HBSST0	01	3	TT3	C1		20A	
02914		J1125	43		J1125	77		168	9		SPI017	16	HBCD1U	01	3	DBC	C1		22B	
02915		J1125	77		J1125	64		168	9		SPI017	17	HBCGB1U	01	4	DBC	E1		36B	
02916		J1125	64		J1115	57		168	9		SPI017	18	HBMVB4U	01	1	DBC	D4		30A	
02917		J1115	57		J1109	25		168	9		SPI017	19	HBCTE1U	01	3	DBC	D1		29B	B03
02921		J1109	25		J1109	37		168	9		SPI017	23	HBB27R	01	3	TT3	B3		12B	C01
02922		J1109	37		J1109	34		168	9		SPI017	24	HBB31A	01	3	TT3	C3		18B	C01
02923		J1109	34		J1109	42		168	9		SPI017	25	HBB29R	01	3	TT3	C2		16A	C01
02924		J1109	42		J1109	72		168	9		SPI017	26	HBB31R	01	3	TT3	C1		20A	C01
02926		J1109	72		J1109	78		168	9		SPI017	28	HBB35A	01	3	TT3	F2		34A	C01
02927		J1109	78		J1108	78		168	9		SPI017	29	HBB36A	01	3	TT3	F3		38A	C02
02929		J1108	78					168	9		SPI017	31	HBCGA4U	01	1	DBC	E4		38A	C01
02994		J1128	61		J1126	68		168	9		SPI018	04	HBFRAA	01	2	TQ2	E4		32B	C05
00974		J1126	68		J1116	65		168	9		SPI018	06	HBCSTR	01	2	TT3	E1		32A	C02
02937		J1116	65		J1125	71		168	9		SPI018	08	HBCCRAY	01	1	THI	E6		33B	C01
02947		J1125	71		J1125	39		168	9		SPI018	18	HBCGB1U	01	1	DBC	E1		33B	A01
02949		J1125	39		J1126	38		168	9		SPI018	20	HBCD1U	01	1	DBC	C1		18B	
02950		J1126	38		J1126	33		168	9		SPI018	21	HBSST0	01	1	TT3	C1		18A	E07
02951		J1126	33		J1126	29		168	9		SPI018	22	HBSCT0	01	1	TT3	C3		16B	E07
02952		J1126	29		J1130	15		168	9		SPI018	23	HBWBCA	01	1	TT3	C2		14B	C01
02956		J1130	15		J1130	22		168	9		SPI018	27	HBCR1Q	01	1	TDD	AQ		07B	
02957		J1130	22		J1130	38		168	9		SPI018	28		01	1	TDD	CP		12A	C01
02958		J1130	38		J1130	51		168	9		SPI018	29	HBT7KP	01	1	TDD	EP		18A	
02959		J1130	51		J1130	63		168	9		SPI018	30	HBST3Q	01	1	TDD	GQ		27B	
02960		J1130	63		J1130	73		168	9		SPI018	31	HBST7Q	01	1	TDD	JQ		33B	
02961		J1130	73		J1129	52		168	9		SPI018	32	HBSA1P	01	1	TDD	MP		36B	C06
03335		J1129	52		J1126	56		168	9		SPI018	37				RR4	E1			B04
								****	SIGNAL		SPI018		IS ON THE			NEXT PAGE	****			

DRAWING NUMBER UNIT ASSEMBLY NAME		STRING										UNIT ASSEMBLY NO.		REV		INDEX						
WL10281452 CARD CAGE WIRED LH MTS												10281452		F		WBSTSA1						
												TSQ3MTSL		DATE		PAGE						
														09-01-82		82						
RECORD NUMBER	FROM				TO				WIRE		SIGNAL	SEQ NO	EQUATION	TERM	Y	Z	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR												
03858		J1136	29						16B	9		WBSTSA1	02									
03252		J1107	49		J1141	74			16B	9		WBU56A1	00	HBUUYO	01	3	TT3	D3		26B		E07
03861		J1141	74		J1136	08			16B	9		WBU56A1	01	HBKANOV	01	1	THI	F4		35A		
03862		J1136	08						16B	9		WBU56A1	02				RR1	A4				
03248		J1107	45		J1141	05			16B	9		WBU57A1	005	HBUUYO	01	1	TY3	D3		24B		E07
03863		J1141	05		J1136	09			16B	9		WBU57A1	01	HBKAPOV	01	1	THI	A4		03B		
03864		J1136	09						16B	9		WBU57A1	02				RR1	A5				
03291		J1129	08		J1145	01			16B	9		WB10704	01				RR4	A1				A01
03524		J1145	01						16B	9		WB10704	02				EXT					A01
03483		J1144	40		J1145	72			18D	0		WLOVRA	01				MTS					A01
03595		J1145	72						18D	0		WLOVRA	02				EXT					A01
03602		J1145	79		J1142	53			16B	9		WSTDTA	01				EXT					C01
00976		J1142	53		J1135	01			16B	9		WSTDTA	02	HBEVSO	01	1	TQ2	E3		28B		C02
02267		J1135	01		J1126	40			16B	9		WSTDTA	03	HBFAFA	01	1	TT3	A2		02B		E07
02864		J1126	40						16B	9		WSTDTA	04	HBSSTO	01	2	TT3	C1		19A		E07
03480		J1144	61		J1145	70			18D	0		WSWGND	01				MTS					C05
03593		J1145	70						18D	0		WSWGND	02				EXT					A01
03865		J1109	03		J1104	76			16B	9		WTSBCA1	01	HBTFFO	01	2	TT3	A2		02A		
03866		J1104	76		J1118	62			16B	9		WTSBCA1	02	HBTFLV	01	1	THI	F5		37A		
03867		J1118	62		J1145	41			16B	9		WTSBCA1	03				RR1	F5				A01
03564		J1145	41						16B	9		WTSBCA1	04				EXT					A01
03868		J1104	39		J1118	56			16B	9		WTSSCA1	01	HBTFKOV	01	1	THI	C6		19B		
03869		J1118	56		J1145	40			16B	9		WTSSCA1	02				RR1	F4				A01
03563		J1145	40						16B	9		WTSSCA1	03				EXT					A01
03871		J1104	74		J1118	55			16B	9		WTSSA1	02	HBTFLV	01	1	THI	F4		35A		
03872		J1118	55		J1145	39			16B	9		WTSSA1	03				RR1	F3				A01
03562		J1145	39						16B	9		WTSSA1	04				EXT					A01

3-2870-1

**CARD RACK ASSEMBLY - TEST SET, DIGITAL, LH
CONNECTOR WIRE LIST
WL10281452**

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
3. REFERENCE TO SHEET 5 OF STRING LIST FOR WIRE CODE DEFINITIONS.
4. REFERENCE TO SHEET 6 OF STRING LIST FOR WIRE PARTS LIST.
5. ALL ABBREVIATIONS PER MIL-STD-12.
6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: CARD CAGE WIRED LH MTS.
7. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".
8. ECOs WILL BE WRITTEN SHOWING YELLOW HAND WIRE BEING USED FOR CHANGES TO AUTOMATIC WIRING. THESE SAME YELLOW WIRES WILL BE INCORPORATED AS WHITE AUTOMATIC WIRES AT THE NEXT DRAWING UPDATE.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

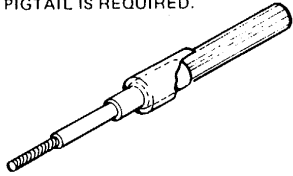
1. **Record Number** - A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.
2. **Prefix** - An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector** - Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.
4. **Pin** - Exact terminating point of the respective connector. Designations are unique:
 - A. SHXXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
 - B. JCT indicates a common point of two or more shield pigtails.
 - C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.
5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.
6. **Multi Group** - Associates wires of a group such as 'twisted wire' or 'shielded wire'. Jacket, pigtails and center conductors will be shown as a common group.
7. **Wire Code** - A three-digit code for wire type and gage or bus bar.
8. **Wire Color** - Standard RETMA color code.
 - A. Base Stripe Tracer.
 - B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.
9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.
10. **Spc Inst** - A code which indicates that a wire must be given special attention as follows:
 - A. Direct routing, no service loops, no harnessing.
 - B. See general notes or instruction pages.
 - C. See general notes or instruction pages.
 - D. See general notes or instruction pages.
 - E. See general notes or instruction pages.
 - F. See signal description.
 - G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
 - H. See special routing page.
 - I. Junction point for multilayer laminated board (MLB) connection.
 - J. Denotes a bus reference point.
 - K. Blank out "TO" connector and pin.
 - L. Will cause a signal name of three characters or less to be entered in the string list.
 - M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
 - N. Will suppress printing the wire identity in the harness string and double entry list.
 - P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS - Continued

- Q. Will cause an equation record to be omitted from logic listing.
 - R. Will suppress printing the "FROM" pin number in the string and connector lists.
 - S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)
 - T. Twist wire code.
 - U. Not available.
 - V. See general notes on instruction pages.
 - W. Fixed wire length submitted.
 - X. Sequence of string is to be left as is.
 - Y. See general notes or instruction pages.
 - Z. Will suppress printing of the "FROM" pin.
10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.
11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.
- SPP - Denotes an available termination.
 - SPF - Denotes an unwired termination which has an assigned function.
 - SPW - Denotes a non-functional wire which is terminated at one or both ends.
 - SPO - Denotes a spare output of a circuit.
 - DNW - Indicates that a termination may not be wired.
 - SPA - Denotes an unassigned circuit, as one of a group on a printed circuit board.
 - SPI - Denotes a spare input of a circuit.
 - SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.
 - SPR - Denotes a spare resistor.
 - SPD - Denotes an unassigned input diode of an assigned logic gate.
12. **Seq No.** - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.
13. **Equation** - A mnemonic name assigned to each gate of an element.
14. **Term** - An "OR" function composed of one or more factors.
15. **Factor** - A specific input to a logical gate or active element.
16. **Ckt or Chip Type** - Denotes a specific circuit board type.
17. **Group** - Denotes a specific circuit on a printed circuit board.
18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.
19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.
20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.
21. **Signal Description** - A written description or name of a signal or voltage.
22. **ECO No.** - A letter number combination to show the Engineering Change Order level of that particular wire list record.

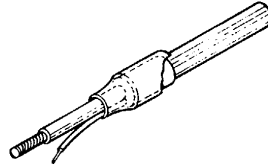
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, NO PIGTAIL IS REQUIRED.



SHIELD FIGURE B

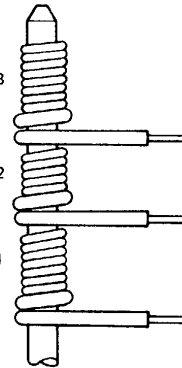
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, FRONT PIGTAIL IS REQUIRED.



SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

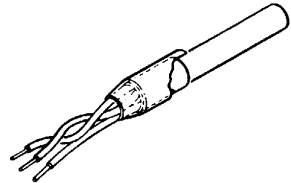
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER INDICATES LEVEL OF WIRE WRAP

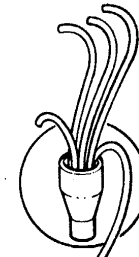
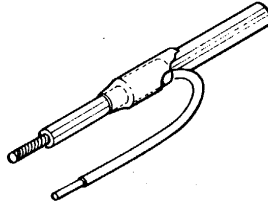
SHIELD FIGURE G

SHIELDED CABLE TERMINATION WITH DRAIN WIRE



SHIELD FIGURE C

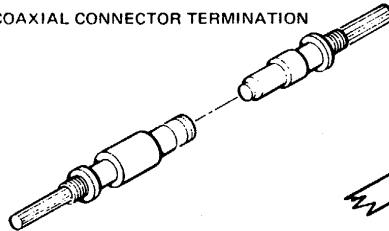
SHIELD TERMINATION FOR SHIELDED, SINGLE AND MULTIPLE CONDUCTORS, A REAR PIGTAIL IS REQUIRED.



SHIELD FIGURE X
SHIELDED WIRE PIGTAILS--HYBRID

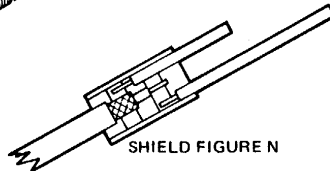
SHIELD FIGURE Z

COAXIAL CONNECTOR TERMINATION



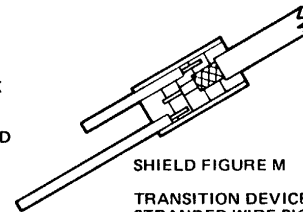
SHIELD FIGURE N

TRANSITION DEVICE WITH SOLID WIRE PIGTAILS



SHIELD FIGURE M

TRANSITION DEVICE WITH STRANDED WIRE PIGTAILS



Drawing No.
WL10281452
Rev. F, sheet 4

DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX						
WL10281452												10281452		F		PAGE						
UNIT ASSEMBLY NAME												FILE IDENT		DATE		PAGE						
CARD CAGE WIRED LH MTS												TSQ3MTSL		09-01-82		5						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI-GROUP	CODE	COLOR	IDENT										
03044	J1101	01											SPP	01								
03045	J1101	02											GND	01								D03
03046	J1101	03											SPP	01								
03047	J1101	04											SPP	01								
03048	J1101	05											SPP	01								
03049	J1101	06											SPP	01								
03050	J1101	07											SPP	01								
03051	J1101	08											SPP	01								
03052	J1101	09											SPP	01								
03053	J1101	10											SPP	01								
03054	J1101	11											SPP	01								
03055	J1101	12											+5V	01								D03
03056	J1101	13											SPP	01								
03057	J1101	14											SPP	01								
03058	J1101	15											SPP	01								
03059	J1101	16											GND	01								D03
03060	J1101	17											SPP	01								
03061	J1101	18											SPP	01								
03062	J1101	19											SPP	01								
03063	J1101	20											SPP	01								
03064	J1101	21											SPP	01								
03065	J1101	22											SPP	01								
03066	J1101	23											SPP	01								
03067	J1101	24											SPP	01								
03068	J1101	25											SPP	01								
03069	J1101	26											SPP	01								
03070	J1101	27											SPP	01								
03071	J1101	28											+5V	01								D03
03072	J1101	29											SPP	01								
03073	J1101	30											SPP	01								
03074	J1101	31											SPP	01								
03075	J1101	32											GND	01								D03
03076	J1101	33											SPP	01								
03077	J1101	34											SPP	01								
03078	J1101	35											SPP	01								
03079	J1101	36											SPP	01								
03080	J1101	37											SPP	01								
03081	J1101	38											SPP	01								
03082	J1101	39											SPP	01								
03083	J1101	40											SPP	01								
03084	J1101	41											SPP	01								
03085	J1101	42											SPP	01								
03086	J1101	43											SPP	01								
03087	J1101	44											GND	01								D03
03088	J1101	45											SPP	01								
03089	J1101	46											SPP	01								
03090	J1101	47											SPP	01								
03091	J1101	48											SPP	01								
03092	J1101	49											SPP	01								
03093	J1101	50											SPP	01								
CONNECTOR	J1101	CONTINUED ON THE NEXT PAGE ****																				

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DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX							
WL10281452												10281452		F		J1101							
UNIT ASSEMBLY NAME												FILE IDENT		DATE		PAGE							
CARD CAGE WIRED LH MTS												TSQ3MTSL		09-01-82		6							
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT											
03094	J1101	51											SPP	01									
03095	J1101	52											SPP	01									
03096	J1101	53											SPP	01									
03097	J1101	54											SPP	01									
03098	J1101	55											SPP	01									
03099	J1101	56											SPP	01									
03100	J1101	57											SPP	01									
03101	J1101	58											GND	01									003
03102	J1101	59											SPP	01									
03103	J1101	60											SPP	01									
03104	J1101	61											SPP	01									
03105	J1101	62											SPP	01									
03106	J1101	63											SPP	01									
03107	J1101	64											SPP	01									
03108	J1101	65											SPP	01									
03109	J1101	66											SPP	01									
03110	J1101	67											GND	01									003
03111	J1101	68											SPP	01									
03112	J1101	69											SPP	01									
03113	J1101	70											SPP	01									
03114	J1101	71											SPP	01									
03115	J1101	72											SPP	01									
03116	J1101	73											SPP	01									
03117	J1101	74											SPP	01									
03118	J1101	75											SPP	01									
03119	J1101	76											SPP	01									
03120	J1101	77											SPP	01									
03121	J1101	78											SPP	01									
03122	J1101	79											SPP	01									
03123	J1101	80											SPP	01									

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**
CONNECTOR
 UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1102**
 FILE IDENT **TSQ3M7SL** DATE **09-01-82** PAGE **7**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACED	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT								AND	OR		
03124		J1102	01										SPP	01				OSC					
03125		J1102	02										GND	01				OSC					
03126		J1102	03										SPP	01				OSC					
03127		J1102	04										SPP	01				OSC					
03128		J1102	05										SPP	01				OSC					
03129		J1102	06										SPP	01				OSC					
03130		J1102	07										SPP	01				OSC					
03131		J1102	08										SPP	01				OSC					
03132		J1102	09										SPP	01				OSC					
03133		J1102	10										SPP	01				OSC					
03134		J1102	11										SPP	01				OSC					
03135		J1102	12										+5V	01				OSC					
03136		J1102	13										KEY	01				OSC					
03137		J1102	14										KEY	01				OSC					
03138		J1102	15										SPP	01				OSC					
03139		J1102	16										GND	01				OSC					
03140		J1102	17										KEY	01				OSC					
03141		J1102	18										KEY	01				OSC					
03142		J1102	19							168	9		HBCK1A	04				OSC					
03143		J1102	20										SPP	01				OSC					
03144		J1102	21		J1105	30				168	9		HBCK10	00				OSC					
03145		J1102	22										SPP	01				OSC					
03146		J1102	23										SPP	01				OSC					
03147		J1102	24										SPP	01				OSC					
03148		J1102	25							168	9		HBCK20	03				OSC					
03149		J1102	26		J1102	33				168	9		HBCK40	01				OSC					
03150		J1102	27										SPP	01				OSC					
03151		J1102	28										+5V	01				OSC					
03152		J1102	29										SPP	01				OSC					
03153		J1102	30		J1102	52				168	9		HBTR01	01				OSC					
03154		J1102	31										SPP	01				OSC					
03155		J1102	32										GND	01				OSC					
03156		J1102	33							168	9		HBCK40	02				OSC		4			
03157		J1102	34										SPP	01				OSC					
03158		J1102	35										SPP	01				OSC					
03159		J1102	36										SPP	01				OSC					
03160		J1102	37		J1133	17				168	9		HBCK4A	01	00	1		OSC		4C		C02	
03161		J1102	38										SPP	01				OSC					
03162		J1102	39										SPP	01				OSC					
03163		J1102	40										SPP	01				OSC					
03164		J1102	41										SPP	01				OSC					
03165		J1102	42										SPP	01				OSC					
03166		J1102	43										SPP	01				OSC					
03167		J1102	44										GND	01				OSC					
03168		J1102	45										SPP	01				OSC					
03169		J1102	46										SPP	01				OSC					
03170		J1102	47										SPP	01				OSC					
03171		J1102	48										SPP	01				OSC					
03172		J1102	49										SPP	01				OSC		16			
03173		J1102	50							168	9		HBUMBAV	02				OSC					
CONNECTOR (J1102) CONTINUED ON THE NEXT PAGE ****																							

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1102**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **8**

RECORD NUMBER	FROM			TO			WIRE					SIGNAL	SEQ NO	EQUATION	TERM	FAC	CT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	W	MULTI GROUP	CODE	COLOR	IDENT										
03174		J1102	51									SPP	01								
03175		J1102	52		J1118	71			16B	9		HBTRT01	02								
03176		J1102	53									SPP	01								
03177		J1102	54									SPP	01								
03178		J1102	55									SPP	01								
03179		J1102	56									SPP	01								
03180		J1102	57									SPP	01								
03181		J1102	58									GND	01								
03182		J1102	59									SPP	01								
03183		J1102	60									SPP	01								
03184		J1102	61									SPP	01								
03185		J1102	62									SPP	01								
03186		J1102	63									SPP	01								
03187		J1102	64									SPP	01								
03188		J1102	65									SPP	01								
03189		J1102	66									SPP	01								
03190		J1102	67									GND	01								
03191		J1102	68									SPP	01								
03192		J1102	69									SPP	01								
03193		J1102	70									SPP	01								
03194		J1102	71									SPP	01								
03195		J1102	72									SPP	01								
03196		J1102	73									SPP	01								
03197		J1102	74									SPP	01								
03198		J1102	75									SPP	01								
03199		J1102	76									SPP	01								
03200		J1102	77									SPP	01								
03201		J1102	78									SPP	01								
03202		J1102	79									SPP	01								
03203		J1102	80									SPP	01								

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DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV F		INDEX						
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS										FILE IDENT		DATE		PAGE						
W10281452												10281452		09-01-82		J1103						
TSQ3M7SL																10						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	QTY	PREFIX	CONNECTOR	PIN	QTY	MULTI GROUP	CODE	COLOR	IDENT										
01669	J1103	51		J1132	56					168	9		HBLABA	02	HBLABA	00	1	TQ2	D4	27B		
01682	J1103	52								168	9		HBLAFO	02	HBLAFO	00	1	TQ2	D1	24A		C01
02076	J1103	53		J1104	51					168	9		HBYETA	02	HBCGF0	01	1	TQ2	E3	28B		
01678	J1103	54								168	9		HBLAEA	03	HBLAFO	01	1	TQ2	D1	25A		
01011	J1103	55		J1106	08					168	9		HBCSZA	03	HBCGF0	01	2	TQ2	E3	29B		C02
01703	J1103	56		J1106	56					168	9		HBLAKOV	02	HBLAFO	01	2	TQ2	D1	26A		
00860	J1103	57								168	9		HBCGF0	02	HBCGF0	00	1	TQ2	E3	30B		
00375	J1103	58											GND	01				TQ2		27A		
02075	J1103	59		J1103	53					168	9		HBYETA	01	HBCG20	01	1	TQ2	E4	31B		
01910	J1103	60								168	9		HBSALA	02	HBSALA	00	1	TQ2	E2	28A		LOAD SELF TEST CD
01010	J1103	61		J1103	55					168	9		HBCSZA	02	HBCG20	01	2	TQ2	E4	32B		
01918	J1103	62								168	9		HBSALQ	05	HBSALA	01	1	TQ2	E2	29A		
00863	J1103	63								168	9		HBCG20	03	HBCG20	00	1	TQ2	E4	33B		
01920	J1103	64								168	9		HBSAZP	02	HBSALA	01	2	TQ2	E2	30A		
02201	J1103	65		J1105	31					168	9		HBT5KQ	02	HBTFEA	01	1	TQ2	F3	34B		
03684	J1103	66		J1105	20					168	9		HBB34A	01	HBB34A	00	1	TQ2	E1	31A		C01
00376	J1103	67											GND	01				TQ2		40A		
02696	J1103	68		J1103	35					168	9		HBB38AV	04	HBB34A	01	1	TQ2	E1	32A		C01
02100	J1103	69								168	9		HBTFEA	02	HBTFEA	00	1	TQ2	F3	35A		
02710	J1103	70								168	9		HBB420V	02	HBB34A	01	2	TQ2	E1	33A		C01
02109	J1103	71								168	9		HBTFOV	02	HBTFGO	01	1	TQ2	F2	36A		802
02107	J1103	72								168	9		HBTFGO	02	HBTFGO	00	1	TQ2	F2	34A		
02117	J1103	73								168	9		HBTFOV	02	HBTFGO	01	2	TQ2	F2	36B		
02213	J1103	74								168	9		HBT8KQ	02	HBTFEA	01	2	TQ2	F3	35B		
01055	J1103	75								168	9		HBCVRO	02	HBCVRO	00	1	TQ2	F1	37B		
01286	J1103	76		J1106	10					168	9		HBST7Q	04	HBMYRO	01	1	TQ2	F4	37A		C02
00852	J1103	77								168	9		HBCG7A	02	HBCVRO	01	1	TQ2	F1	38B		
01415	J1103	78								168	9		HBMALIA	03	HBMYRO	01	2	TQ2	F4	38A		
01287	J1103	79								168	9		HBFCAV	09	HBCVRO	01	2	TQ2	F1	39B		
01786	J1103	80								168	9		HBMYRO	02	HBMYRO	00	1	TQ2	F4	39A		

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DRAWING NUMBER		UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX			
WL10281452		CARD CAGE WIRED LH MTS												10281452		F		J1104			
FILE IDENT		DATE												TSQ3MTSL		09-01-82		PAGE		12	
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT											
02077	J1104	51		J1105	56			168	9			HBTE7A	03	HBTE70V	01	1	THI	D6	27B		
01908	J1104	52						168	9			HBSAKAV	05	HBRM10V	01	1	THI	D1	26A		
02082	J1104	53						168	9			HBTE70V	02	HBTE70V	00	1	THI	D6	26B	(T5 T6*)	
01826	J1104	54						168	9			HBRM10V	06	HBRM10V	00	1	THI	D1	25A	ENA 1	
01054	J1104	55		J1103	75			168	9			HBCVRO	01	HBCVRAV	01	1	THI	E4	29B		
01053	J1104	56						168	9			HBCVRAV	02	HBCVRAV	00	1	THI	E4	28B		
00856	J1104	57						168	9			HBCGEAV	02	HBCGEAV	00	1	THI	E5	30B	SHIFT*	
00381	J1104	58						168	9			GND	01				THI		40A		
00842	J1104	59		J1108	80			168	9			HBCTQ	04	HBCGEAV	01	1	THI	E5	31B		
00858	J1104	60		J1106	73			168	9			HBEVSAV	01	HBEVSAV	00	1	THI	E3	28A		C06
01909	J1104	61		J1103	60			168	9			HBSALA	01	HBSAMOV	01	1	THI	E2	31A		
00859	J1104	62						168	9			HBEVSO	04	HBEVSAV	01	1	THI	E3	29A		C06
03912	J1104	63						168	9			HBSAMOV	01	HBSAMOV	00	1	THI	E2	30A		
01694	J1104	64		J1109	66			168	9			HBLAKP	02	HBLAKOV	01	1	THI	E1	33A		
00838	J1104	65						168	9			HBCCTP	05	HBCGDVAV	01	1	THI	E6	33B		
01702	J1104	66		J1103	56			168	9			HBLAKOV	01	HBLAKOV	00	1	THI	E1	32A		
00382	J1104	67						168	9			GND	01				THI				
00854	J1104	68						168	9			HBCGDVAV	02	HBCGDVAV	00	1	THI	E6	32B	LOAD*	
02199	J1104	69						168	9			HBT5KP	02	HBS00V	01	1	THI	F3	35B		
02491	J1104	70						168	9			HBS00V	06	HBS00V	00	1	THI	F3	34B		
02111	J1104	71						168	9			HBT5KQ	01	HBT5KQ	00	1	THI	F2	36B		
02113	J1104	72						168	9			HBT5KQ	02	HBT5KQ	00	1	THI	F4	34A		
02200	J1104	73		J1103	65			168	9			HBT5KQ	01	HBT5KQ	01	1	THI	F2	37B		
03871	J1104	74		J1118	55			168	9			MTSSA1	02	HBT5KQ	01	1	THI	F4	35A		
01785	J1104	75		J1103	80			168	9			HBNYR0	01	HBNYRAV	01	1	THI	F6	39A		
03866	J1104	76		J1118	62			168	9			MTSBA1	02	HBNYRAV	01	1	THI	F5	37A		
01784	J1104	77						168	9			HBNYRAV	02	HBNYRAV	00	1	THI	F6	38A		
02116	J1104	78		J1103	73			168	9			HBT5KQ	01	HBT5KQ	00	1	THI	F5	36A		
02083	J1104	79		J1105	60			168	9			HBTE8A	01	HBTE80V	01	1	THI	F1	39B		
02088	J1104	80		J1103	47			168	9			HBTE80V	03	HBTE80V	00	1	THI	F1	38B	(T7* T8)	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1105**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **14**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	ORP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIH	INFO	PREFIX	CONNECTOR	PIH	INFO	MULTI GROUP	CODE	COLOR	IDENT											
02715	J1105	51			J1105	38			168	9			SPI003	04	HBLAKQ	01	1	YDD	GQ	27B		C01	
01688	J1105	52			J1105	38			168	9			HBLAIAV	02	HBLAKP	01	1	TDD	GP	24A			
02106	J1105	53			J1103	72			168	9			HBTFG0	01	HBT8KQ	01	1	YDD	KQ	28B			
00766	J1105	54			J1103	72			168	9			HBCWDOE	05	HBLAKI	01	1	TDD	GI	25A		A01	
02212	J1105	55			J1103	74			168	9			HBT8KQ	01	HBT8KQ	00	1	YDD	KQ	29B			
02078	J1105	56			J1117	72			168	9			HBT8KQ	04	HBLAKN	01	1	TDD	GN	26A		C02	
03926	J1105	57											HBT8KP	01	HBT8KP	00	1	TDD	KP	30B			
00387	J1105	58											GND	01				TDD		40A			
01919	J1105	59			J1103	64			168	9			HBSA2P	01	HBSA2P	00	1	TDD	JP	31B			
02084	J1105	60			J1103	27			168	9			HBT8EA	02	HBT8KN	01	1	TDD	KN	28A			
03913	J1105	61											HBSA2Q	01	HBSA2Q	00	1	YDD	JQ	32B			
01357	J1105	62							168	9			HBSA2Q	02	HBT8KI	01	1	TDD	KI	29A			
02771	J1105	63			J1105	71			168	9			SPI010	07	HBSA2Q	01	1	YDD	JQ	33B			
01285	J1105	64			J1103	79			168	9			HBFBCAV	07	HBT8KP	01	1	TDD	KP	30A		B02	
02738	J1105	65			J1115	63			168	9			SPI006	03		01	1	TDD	MQ	34B		A01	
02714	J1105	66			J1105	51			168	9			SPI003	03	HBSA2P	01	1	TDD	JP	31A			
00388	J1105	67											GND	01				TDD		40B			
01917	J1105	68			J1103	62			168	9			HBSA1Q	04	HBSA2I	01	1	TDD	JI	32A			
03696	J1105	69											SPO	01		00	1	TDD	MP	35A			
02148	J1105	70			J1104	01			168	9			HBTICOV	04	HBSA2N	01	1	TDD	JN	33A			
02772	J1105	71			J1129	65			168	9			SPI010	08		01	1	TDD	MI	36A			
02725	J1105	72			J1129	75			168	9			SPI004	05		01	1	TDD	MN	34A			
02734	J1105	73			J1129	76			168	9			SPI005	08		01	1	TDD	MP	36B			
03697	J1105	74											SPO	01		00	1	TDD	MQ	35B			
01783	J1105	75			J1104	77			168	9			HBMVRAV	01	HBMVTP	01	1	TDD	LP	37B			
01789	J1105	76							168	9			HBMVTP	03	HBMVTP	00	1	TDD	LP	37A			
01827	J1105	77			J1104	49			168	9			HBRM3OV	01	HBMVTP	01	1	TDD	LI	38B			
01791	J1105	78							168	9			HBMVTP	02	HBMVTP	00	1	TDD	LQ	38A			
02051	J1105	79			J1104	35			168	9			HBT8EA	01	HBMVTP	01	1	TDD	LN	39B			
02713	J1105	80			J1105	66			168	9			SPI003	02	HBMVTP	01	1	TDD	LQ	39A			

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DRAWING NUMBER UNIT ASSEMBLY NAME				CONNECTOR				UNIT ASSEMBLY NO. FILE IDENT				REV F		INDEX PAGE		
WL10281452 CARD CAGE WIRED LH MTS								10281452 TSQ3MNTSL				DATE 09-01-82		J1106 15		
RECORD NUMBER	FROM PREFIX	TO CONNECTOR	WIRE PIN	MULTI GROUP	WIRE CODE	WIRE COLOR	IDENT	SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
02774	J1106	01			168	9		HBJACAV	01	HBJAFO	01	1	TD4	A2	02B	B02
00389	J1106	02			168	9		GND	01						01A	
00101	J1106	03						DNW	01							
02765	J1106	04	J1133		168	9	08	HBJADAV	01	HBJAFO	01	2	TD4	A2	04A	B02
02783	J1106	05			168	9		HBJBCA	02	HBJAFO	01	3	TD4	A2	03B	C01
02775	J1106	06			168	9		HAT183E	02	HBTDEA	01	1	TD4	A1	05A	C02
02729	J1106	07			168	9		HBJBBA	02	HBJAFO	01	4	TD4	A2	03A	C01
02766	J1106	08			168	9		HBCS2A	04	HBTDEA	01	2	TD4	A1	06A	
03698	J1106	09	J1133		168	9	55	HBJAFO	01	HBJAFO	00	1	TD4	A2	04B	B02
02721	J1106	10			168	9		HBST7Q	05	HBTDEA	01	3	TD4	A1	07A	C02
03699	J1106	11	J1109		168	9	77	HBTDEA	01	HBTDEA	00	1	TD4	A1	05B	C02
00039	J1106	12						+5V	01							
02730	J1106	13	J1105		168	9	15	SPI005	04	HBTDEA	01	4	TD4	A1	06B	C02
02776	J1106	14			168	9		HBSSTO	02	HBSSTA	01	1	TD4	B2	09A	E07
00102	J1106	15						DNW	01							
00390	J1106	16						GND	01						20B	
00103	J1106	17						DNW	01							
02792	J1106	18	J1106		168	9	31	SPI013	01	HBSSTA	01	2	TD4	B2	10A	E07
02784	J1106	19			168	9		HBSCTO	03	HBSSTA	01	3	TD4	B2	09B	E07
02728	J1106	20	J1106		168	9	13	SPI005	02	HBSSTA	01	4	TD4	B2	11A	E07
03700	J1106	21	J1113		168	9	68	HBSSTA	01	HBSSTA	00	1	TD4	B2	10B	E07
02777	J1106	22	J1106		168	9	19	HBSCTO	02	HBSSTA	01	1	TD4	B1	12A	E07
03701	J1106	23	J1107		168	9	78	HBSSTA	01	HBSSTA	00	1	TD4	B1	11B	E07
02767	J1106	24	J1105		168	9	26	SPI010	03	HBSSTA	01	2	TD4	B1	13A	E07
02785	J1106	25						HBUUTO	02	HBSSTA	01	3	TD4	B1	12B	E07
02727	J1106	26	J1106		168	9	20	SPI005	01	HBSSTA	01	4	TD4	B1	14A	
00104	J1106	27						DNW	01							
00040	J1106	28						+5V	01							
00105	J1106	29						DNW	01							
02778	J1106	30	J1106		168	9	37	SPI011	05		01	1	TD4	C2	15A	
02793	J1106	31	J1106		168	9	38	SPI013	02		01	2	TD4	C2	15B	
00391	J1106	32						GND	01						21B	
03702	J1106	33						SPO	01		00	1	TD4	C2	16B	
02786	J1106	34	J1106		168	9	40	SPI012	04		01	3	TD4	C2	16A	
03703	J1106	35						SPO	01		00	1	TD4	C1	17B	
02800	J1106	36	J1106		168	9	42	SPI014	01		01	4	TD4	C2	17A	
02779	J1106	37	J1106		168	9	55	SPI011	06		01	1	TD4	C1	18B	
02794	J1106	38	J1108		168	9	48	SPI013	03		01	2	TD4	C1	18A	
00106	J1106	39						DNW	01							
02787	J1106	40	J1106		168	9	62	SPI012	05		01	3	TD4	C1	19A	
00107	J1106	41						DNW	01							
02801	J1106	42	J1106		168	9	64	SPI014	02		01	4	TD4	C1	20A	C01
02094	J1106	43			168	9		HBTFAA	02	HBTFAO	01	1	TD4	D2	23B	
00392	J1106	44						GND	01						27A	
02092	J1106	45			168	9		HBTFAO	03	HBTFAO	00	1	TD4	D2	24B	
02096	J1106	46			168	9		HBTFAO	02	HBTFAO	01	2	TD4	D2	21A	
01677	J1106	47	J1103		168	9	54	HBLAEA	02	HBLAEA	00	1	TD4	D1	25B	
02098	J1106	48	J1105		168	9	05	SPI006	00	HBTFAO	01	3	TD4	D2	22A	C06
01722	J1106	49	J1112		168	9	47	HBLA15U	03	HBLAEA	01	1	TD4	D1	26B	C01
02099	J1106	50	J1103		168	9	69	HBTFAA	01	HBTFAO	01	4	TD4	D2	23A	
CONNECTOR J1106 CONTINUED ON THE NEXT PAGE *****																

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

CONNECTOR

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

REV F
 DATE 09-01-82

INDEX PAGE J1106
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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIH	IN	PREFIX	CONNECTOR	PIH	IN	MULTI GROUP	CODE	COLOR	IDENT											
00108		J1106	51										DNW	01									
01724		J1106	52		J1115	36				168	9		H8LA25U	02	HBLAEA	01	2	TD4	D1		24A		
00109		J1106	53										DNW	01									
01727		J1106	54							168	9		H8LA35U	02	HBLAEA	01	3	TD4	D1		25A		
02780		J1106	55		J1129	62				168	9		SPI011	07							29B		CO1
01704		J1106	56		J1145	42				168	9		H8LAK0V	03	HBLAEA	01	4	TD4	D1		26A		AO1
03704		J1106	57										SPO	01							30B		
00393		J1106	58										GND	01							40A		
01301		J1106	59		J1107	17				168	9		H8FBEO	06	H8FBEO	00	1	TD4	E1		31B		CO6
02796		J1106	60		J1129	55				168	9		SPI013	05							28A		CO6
01614		J1106	61							168	9		H8KC1Q	10	H8FBEO	01	1	TD4	E1		32B		
02788		J1106	62		J1129	56				168	9		SPI012	06							29A		CO6
00110		J1106	63										DNW	01									
02803		J1106	64		J1115	59				168	9		SPI014	04							30A		CO6
00111		J1106	65										DNW	01									
01304		J1106	66		J1107	41				168	9		H8FBFR	03	H8FBEO	01	2	TD4	E1		31A		CO6
00394		J1106	67										GND	01							40B		
00888		J1106	68		J1131	54				168	9		H8CID8V1	01	H8FBEO	01	3	TD4	E1		32A		
03705		J1106	69		J1107	24				168	9		H8SB5A	01	H8SB5A	00	1	TD4	F2		35A		CO6
02533		J1106	70							168	9		H8FSS0	02	H8FBEO	01	4	TD4	E1		33A		BO4
02832		J1106	71		J1107	38				168	9		H8ST0Q	03	H8SB5A	01	1	TD4	F2		34A		CO6
02797		J1106	72		J1128	71				168	9		H8S2A0	00	H8SB5A	01	2	TD4	F2		34A		CO6
02789		J1106	73		J1107	03				168	9		H8EVS AV	02	H8SB5A	01	3	TD4	F2		36B		CO6
02804		J1106	74		J1107	14				168	9		H8KC3Q	04	H8SB5A	01	4	TD4	F2		35B		CO6
02781		J1106	75							168	9		H8FAVAV	02	H8JBA0	01	1	TD4	F1		37B		CO1
03706		J1106	76		J1128	42				168	9		H8JBA0	01	H8JBA0	00	1	TD4	F1		37A		CO1
02798		J1106	77							168	9		HCE13A	02	H8JBA0	01	2	TD4	F1		38B		CO1
02790		J1106	78							168	9		HCE14A	02	H8JBA0	01	3	TD4	F1		38A		CO1
02802		J1106	79							168	9		HCE15A	02	H8JBA0	01	4	TD4	F1		39B		CO1
00112		J1106	80										DNW	01									

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DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX					
WL10281452												10281452		F		J1107					
UNIT ASSEMBLY NAME												FILE IDENT		DATE		PAGE					
CARD CAGE WIRED LH MTS												TSQ3M7SL		09-01-82		18					
RECORD NUMBER	FROM			D I S	TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACTS	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	E-O NO
	PREFIX	CONNECTOR	PIN		PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR											
03254	J1107	51		J1106	25		168	9			HBU0T0	01	HBU0T0	00	1	TT3	D3	27B		E07	
03255	J1107	52					168	9			HBST9P	07	HBWC3R	01	1	TT3	D1	24A		E02	
03256	J1107	53		J1107	57		168	9			SPI001	07		01	1	TT3	E2	28B		C06	
03257	J1107	54					168	9			HBST1AV	08	HBWC3R	01	2	TT3	D1	25A		E08	
03258	J1107	55		J1142	60		168	9			SPO	01		00	1	TT3	E2	29B		C06	
03259	J1107	56					168	9			HBWC3S	01	HBWC3R	01	3	TT3	D1	26A		C06	
03260	J1107	57		J1107	75		168	9			SPI001	08		01	1	TT3	E3	30B		C06	
03261	J1107	58					168	9			GND	01				TT3		40B		C06	
03262	J1107	59		J1107	60		168	9			SPI002	03		01	2	TT3	E3	31B		C06	
03263	J1107	60		J1107	68		168	9			SPI002	04		01	2	TT3	E2	28A		C06	
03264	J1107	61		J1107	79		168	9			SPI008	04		01	3	TT3	E3	32B		C06	
03265	J1107	62		J1107	61		168	9			SPI008	03		01	3	TT3	E2	29A		C06	
03266	J1107	63					168	9			SPO	01		00	1	TT3	E3	33B		C06	
03267	J1107	64					168	9			SPO	01		00	1	TT3	E1	30A		C06	
03268	J1107	65		J1125	48		168	9			SPI008	04	HBSB9A	01	1	TT3	F2	34B		E07	
03269	J1107	66		J1107	53		168	9			SPI001	06		01	1	TT3	E1	31A		C06	
03270	J1107	67					168	9			GND	01				TT3				C06	
03271	J1107	68		J1107	47		168	9			SPI002	05		01	2	TT3	E1	32A		C06	
03272	J1107	69		J1116	27		168	9			HBSY1Q	04	HBS52A	01	1	TT3	F3	35A		E08	
03273	J1107	70		J1107	62		168	9			SPI008	02		01	3	TT3	E1	33A		C06	
03274	J1107	71		J1128	75		168	9			HBSB90	01	HBSB9A	01	2	TT3	F2	36A		C06	
03275	J1107	72		J1107	77		168	9			SPI002	01	HBSB9A	01	3	TT3	F2	34A		C06	
03276	J1107	73					168	9			SPO	01		00	1	TT3	F1	36B		C06	
03277	J1107	74		J1130	80		168	9			HBSB9A	01	HBSB9A	00	1	TT3	F2	35B		C06	
03278	J1107	75					168	9			SPI001	09		01	1	TT3	F1	37B		C06	
03279	J1107	76		J1133	57		168	9			HBS510V	01	HBS52A	01	2	TT3	F3	37A		C06	
03280	J1107	77		J1107	59		168	9			SPI002	02		01	2	TT3	F1	38B		C06	
03281	J1107	78					168	9			HBSUIA	02	HBS52A	01	3	TT3	F3	38A		E07	
03282	J1107	79		J1107	65		168	9			SPI008	04		01	3	TT3	F1	39B		C06	
03283	J1107	80		J1142	79		168	9			HBS52A	01	HBS52A	00	1	TT3	F3	39A		C06	

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DRAWING NUMBER ML10281452		CONNECTOR										UNIT ASSEMBLY NO. 10281452		REV F		INDEX J1108					
UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS												FILE IDENT TSQ3MTSL		DATE 09-01-82		PAGE 20					
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHRP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT											
01294	J1108	49	J1108	35			168	9			HBF80AV	07	HBLA35U	01	1	DBC	D5		24B		
02603	J1108	51									SPA	01	HBWA25T	01	1	DBC	B6				
02604	J1108	51									SPA	01	HBWA15T	01	1	DBC	A6				
01700	J1108	50	J1115	50			168	9			HBLAKQ	04	HBLA11U	01	5	DBC	C1	24A			
01872	J1108	51	J1108	37			168	9			HBLACO	03	HBLA32U	01	1	DBC	D2	25B			
01726	J1108	52	J1106	54			168	9			HBLA35U	01	HBLA35U	00	1	DBC	D5	25A			
00743	J1108	53	J1119	62			168	9			HBCB1B1	01	HBLA31U	01	1	DBC	D1	24B			
03905	J1108	54								M	HBLA31U	01	HBLA31U	00	1	DBC	D1	26A			
00754	J1108	55	J1121	64			168	9			HBCB2B1	01	HBLA31U	01	2	DBC	D1	27B		A01	
03906	J1108	56								M	HBLA32U	01	HBLA32U	00	1	DBC	D2	28B			
01665	J1108	57					168	9			HBWXWA	02	HBLA31U	01	3	DBC	D1	29B		B03	
00398	J1108	58									GND	01									
02237	J1108	59	J1129	78			168	9			SPT009	001	HBLA31U	01	4	DBC	D1	30B		C01	
02605	J1108	61									SPA	01	HBWA26T	01	1	DBC	B7				
02606	J1108	61									SPA	01	HBWA16T	01	1	DBC	A7				
03907	J1108	60								M	HBLA33U	01	HBLA33U	00	1	DBC	D3	26A			
01723	J1108	61					168	9			HBLNA0V	02	HBLA33U	01	1	DBC	D3	31B		C01	
03908	J1108	62								M	HBLA34U	01	HBLA34U	00	1	DBC	D4	29A			
01699	J1108	63	J1108	50			168	9			HBLAKQ	03	HBLA31U	01	5	DBC	D1	31A			
02835	J1108	64	J1106	52			168	9			HBLA25U	01	HBLA34U	01	1	DBC	D4	30A		B01	
00114	J1108	65									DNW	01									
01337	J1108	66					168	9			HBF8KAV	10	HBCGA5U	01	1	DBC	E5	32B			
00399	J1108	67									GND	01									
00848	J1108	68					168	9			HBCGA5U	03	HBCGA5U	00	1	DBC	E5	33A			
00862	J1108	69	J1103	63			168	9			HBCG20	02	HBCGA2U	01	1	DBC	E2	32A			
02607	J1108	71									SPA	01	HBWA27T	01	1	D9C	B8				
02608	J1108	71									SPA	01	HBWA17T	01	1	DBC	A8				
03873	J1108	70								M	HBCGA1U	01	HBCGA1U	00	1	DBC	E1	34A			
01356	J1108	71	J1105	62			168	9			HBGNI0V	08	HBCGA1U	01	1	DBC	E1	33B			
03874	J1108	72								M	HBCGA2U	01	HBCGA2U	00	1	DBC	E2	35A			
01365	J1108	73	J1115	78			168	9			SPI015	17	HBCGA1U	01	2	DBC	E1	34B		C02	
03875	J1108	74								M	HBCGA3U	01	HBCGA3U	00	1	DBC	E3	36A			
01371	J1108	75	J1106	36			168	9			SPI014	00C	HBCGA1U	01	3	DBC	E1	35B		C02	
03876	J1108	76								M	HBCGA4U	01	HBCGA4U	00	1	DBC	E4	37A			
02833	J1108	77	J1115	75			168	9			HBG30V	06	HBCGA1U	01	4	DBC	E1	36B		C02	
02929	J1108	78					168	9			SPI017	31	HBCGA4U	01	1	DBC	E4	38A		C01	
02891	J1108	79					168	9			SPI016	34	HBCGA3U	01	1	DBC	E3	37B		C01	
02609	J1108	8T									SPA	01	HBWA18T	01	1	DBC	A9				
02610	J1108	8T									SPA	01	HBWA28T	01	1	DBC	B9				
00843	J1108	80	J1113	79			168	9			HBCC1Q	05	HBCGA1U	01	5	DBC	E1	38B			
02611	J1108	9T									SPA	01	HBWA19T	01	1	DBC	A0				
02612	J1108	9T									SPA	01	HBWA29T	01	1	DBC	B0				

DRAWING NUMBER		UNIT ASSEMBLY NAME		CONNECTOR		UNIT ASSEMBLY NO.		REV		INDEX				
ML10281452		CARD CAGE WIRED LH MTS				10281452		F		J1109				
RECORD NUMBER	FROM	TO	WIRE	SIGNAL	SEQ NO	EQUATION	TERMS	CT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
PREFIX	CONNECTOR	PIN	PIN	GROUP	CODE	COLOR	IDENT	FACTORY						
00834	J1109	01	J1110	26	168	9		HBCCTP	01	HBTFF0	01	TT3	A2	02B
00400	J1109	02						GND	01			TT3		01B
03865	J1109	03	J1104	76	168	9		WTSBCA1	01	HBTFF0	01	TT3	A2	02A
01230	J1109	04						HBFAA	02	HBFAA	00	TT3	A1	04A
03870	J1109	05	J1105	36	168	9		HBSTCP	02	HBTFF0	01	TT3	A2	03B
01275	J1109	06						HBFA12E	02	HBFAA	01	TT3	A1	05A
02105	J1109	07						HBTFF0	02	HBTFF0	00	TT3	A2	03A
01232	J1109	08						HBFAHOV	02	HBFAA	01	TT3	A1	06A
00952	J1109	09	J1102	25	168	9		HBCK20	02	HBTFFA	01	TT3	A3	04B
02243	J1109	10						HACWAA	03	HBFAA	01	TT3	A1	07A
02238	J1109	11						HBWATA	05	HBTFFA	01	TT3	A3	05B
00043	J1109	12						+5V	01			TT3		
02103	J1109	13						HBTFFAV	03	HBTFFA	01	TT3	A3	06B
02826	J1109	14						HBMXCOV	02	HBMXWA	01	TT3	B2	09A
02093	J1109	15	J1106	43	168	9		HBTFFA	01	HBTFFA	00	TT3	A3	07B
00401	J1109	16						GND	01			TT3		21B
02896	J1109	17						HBK080V	06	HBMXWA	01	TT3	B2	08B
02920	J1109	18						HBMXCOV	02	HBMXWA	01	TT3	B2	10A
03707	J1109	19	J1108	57	168	9		HBMXWA	01	HBMXWA	00	TT3	B2	09B
02095	J1109	20	J1106	46	168	9		HBTFFA	01	HBTFFA	00	TT3	B1	11A
02827	J1109	21	J1128	17	168	9		HBB27S	02	HBB27R	01	TT3	B3	10B
02271	J1109	22						HBWAXOV	02	HBTFFA	01	TT3	B1	12A
02895	J1109	23						HBB28A	02	HBB27R	01	TT3	B3	11B
02203	J1109	24						HBT5KQ	04	HBTFFA	01	TT3	B1	13A
02921	J1109	25	J1109	37	168	9		SPI017	23	HBB27R	01	TT3	B3	12B
02102	J1109	26	J1109	13	168	9		HBTFFAV	02	HBTFFA	01	TT3	B1	14A
03708	J1109	27	J1103	36	168	9		HBB27R	01	HBB27R	00	TT3	B3	13B
00044	J1109	28						+5V	01			TT3		
02828	J1109	29	J1128	19	168	9		HBB29S	02	HBB29R	01	TT3	C2	14B
02894	J1109	30						HBB30A	02	HBB29R	01	TT3	C2	15A
03709	J1109	31	J1103	31	168	9		HBB29R	00	HBB29R	00	TT3	C2	15B
00402	J1109	32						GND	01			TT3		27A
02829	J1109	33						HC20A01	03	HBB31A	01	TT3	C3	16B
02923	J1109	34	J1109	42	168	9		SPI017	25	HBB29R	01	TT3	C2	16A
02893	J1109	35	J1103	17	168	9		HBB37AV	06	HBB31A	01	TT3	C3	17B
03710	J1109	36	J1103	42	168	9		HBB31R	01	HBB31R	00	TT3	C1	17A
02922	J1109	37	J1109	34	168	9		SPI017	24	HBB31A	01	TT3	C3	18B
02830	J1109	38	J1126	69	168	9		HBB31S	02	HBB31R	01	TT3	C1	18A
03711	J1109	39	J1103	40	168	9		HBB31A	01	HBB31A	00	TT3	C3	19B
02892	J1109	40						HBB32A	02	HBB31R	01	TT3	C1	19A
01706	J1109	41	J1105	54	168	9		HBCWDOE	04	HBLAMA	01	TT3	D2	22B
02924	J1109	42	J1109	72	168	9		SPI017	26	HBB31R	01	TT3	C1	20A
01708	J1109	43	J1117	05	168	9		HBLAMA	01	HBLAMA	00	TT3	D2	23B
00403	J1109	44						GND	01			TT3		40A
01705	J1109	45	J1109	41	168	9		HBCWDOE	03	HBLHLA	01	TT3	D3	24B
00788	J1109	46	J1112	29	168	9		HBCWD1E	02	HBLAMA	01	TT3	D2	21A
01692	J1109	47						HBLAJOV	02	HBLHLA	01	TT3	D3	25B
02048	J1109	48	J1109	49	168	9		HBTELOV	01	HBLAMA	01	TT3	D2	22A
02049	J1109	49	J1104	40	168	9		HBTELOV	02	HBLHLA	01	TT3	D3	26B
01684	J1109	50						HBLAGA	02	HBLAGA	00	TT3	D1	23A
														(COMPARE DATA)*
CONNECTOR J1109 CONTINUED ON THE NEXT PAGE ****														

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DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV F		INDEX						
WL10281452												10281452		DATE		PAGE						
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS										FILE IDENT		09-01-82		22						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	SERIAL FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO.
	PREFIX	CONNECTOR	PIN	2 IN	PREFIX	CONNECTOR	PIN	2 IN	WIRE	MULTI GROUP	CODE	COLOR										
01737	J1109	51		J1112	33			168	9				HBLHLA	01	HBLHLA	00	1	TT3	D3	27B		A01
01441	J1109	52						168	9				HBLNHA	02	HBLAGA	01	1	TT3	D1	24A		
01829	J1109	53		J1111	47			168	9				HBRN30V	03	HBYBPA	01	1	TT3	E2	28B		
02061	J1109	54		J1126	05			168	9				HBTE40V	02	HBLAGA	01	2	TT3	D1	25A		
02404	J1109	55						168	9				HBYBPA	03	HBYBPA	00	1	TT3	E2	29B		
01681	J1109	56		J1103	52			168	9				HBLAFO	01	HBLAGA	01	3	TT3	D1	26A		
01696	J1109	57						168	9				HBLAKP	04	HBYAPA	01	1	TT3	E3	30B		
00404	J1109	58											GND	01				TT3		40B		
02087	J1109	59		J1104	80			168	9				HBE80V	02	HBYAPA	01	2	TT3	E3	31B		
02054	J1109	60		J1104	37			168	9				HBE20V	01	HBYBPA	01	2	TT3	E2	28A		
01790	J1109	61		J1105	78			168	9				HBMVTO	01	HBYAPA	01	3	TT3	E3	32B		
01788	J1109	62		J1105	76			168	9				HBMVTP	02	HBYBPA	01	3	TT3	E2	29A		
02341	J1109	63						168	9				HBYAPA	02	HBYAPA	00	1	TT3	E3	33B		
01675	J1109	64						168	9				HBLADA	02	HBLADA	00	1	TT3	E1	30A		
02836	J1109	65		J1109	69			168	9				HBB38AV	02	HBB35A	01	1	TT3	F2	34B		C01
01695	J1109	66		J1109	57			168	9				HBLAKP	03	HBLADA	01	1	TT3	E1	31A		
00405	J1109	67											GND	01				TT3				
00755	J1109	68		J1109	45			168	9				HBCWOOE	02	HBLADA	01	2	TT3	E1	32A		A01
02837	J1109	69		J1103	68			168	9				HBB38AV	03	HBB36A	01	1	TT3	F3	35A		C01
02081	J1109	70		J1104	53			168	9				HBE70V	01	HBLADA	01	3	TT3	E1	33A		
02889	J1109	71						168	9				HC40801	03	HBB35A	01	2	TT3	F2	36A		C01
02926	J1109	72		J1109	78			168	9				SPI017	28	HBB35A	01	3	TT3	F2	34A		C01
03712	J1109	73		J1110	37			168	9				HBTCP0	01	HBTCP0	00	1	TT3	F1	36B		C02
03713	J1109	74		J1105	27			168	9				HBB35A	01	HBB35A	00	1	TT3	F2	35B		C01
02834	J1109	75						168	9				HBST3P	06	HBTCP0	01	1	TT3	F1	37B		C02
02888	J1109	76						168	9				HBB430V	02	HBB36A	01	2	TT3	F3	37A		C01
02890	J1109	77						168	9				HBYDEA	02	HBTCP0	01	2	TT3	F1	38B		C02
02927	J1109	78		J1108	78			168	9				SPI017	29	HBB36A	01	3	TT3	F3	38A		C02
02928	J1109	79						168	9				HAFT8P	02	HBTCP0	01	3	TT3	F1	39B		C02
03714	J1109	80		J1105	22			168	9				HBB36A	01	HBB36A	00	1	TT3	F3	39A		C01

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DRAWING NUMBER		UNIT ASSEMBLY NAME										CONNECTOR				UNIT ASSEMBLY NO.		REV		INDEX	
WL10281452		CARD CAGE WIRED LH MTS														10281452		F		J1110	
																TSQ3MTSL		DATE		PAGE	
																09-01-82		23			
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	CKT OR CHG TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	WIRE	WIRE	WIRE	WIRE											
01359	J1110	01																			
00406	J1110	02																			
01351	J1110	03		J1110	17																
01366	J1110	04		J1110	18																
01950	J1110	05																			
01381	J1110	06																			
03884	J1110	07																			
01234	J1110	08																			
02490	J1110	09		J1104	70																
01278	J1110	10																			
03885	J1110	11																			
00045	J1110	12																			
01274	J1110	13		J1109	06																
01945	J1110	14		J1109	75																
01360	J1110	15		J1108	21																
00407	J1110	16																			
01352	J1110	17		J1110	31																
01367	J1110	18		J1110	30																
02184	J1110	19																			
01380	J1110	20		J1110	06																
02153	J1110	21																			
00839	J1110	22		J1110	36																
02004	J1110	23																			
02162	J1110	24																			
02159	J1110	25																			
00835	J1110	26		J1110	40																
02157	J1110	27																			
00046	J1110	28																			
01362	J1110	29		J1110	41																
01368	J1110	30		J1110	46																
01353	J1110	31		J1110	43																
00408	J1110	32																			
02155	J1110	33																			
01379	J1110	34		J1110	20																
02166	J1110	35																			
00840	J1110	36		J1105	43																
02003	J1110	37		J1110	23																
02173	J1110	38																			
02168	J1110	39																			
00836	J1110	40		J1105	45																
01363	J1110	41		J1110	53																
02170	J1110	42																			
01354	J1110	43		J1110	55																
00409	J1110	44																			
02135	J1110	45		J1104	26																
01369	J1110	46		J1110	57																
02005	J1110	47		J1104	09																
01378	J1110	48		J1110	34																
02091	J1110	49		J1106	45																
01915	J1110	50		J1110	62																
CONNECTOR		J1110	CONTINUED ON THE NEXT PAGE ****																		

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DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE				
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1110 24				
RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR										IDENT	
02009	J1110	51		J1104	15			168	9		HBT011E	01	HBT011E	00	1	TS4	D2	27B	T2	
02014	J1110	52		J1104	23			168	9		HBT013E	01	HBT013E	00	1	TS4	D4	24A	T4	
01364	J1110	53						168	9		H8GN20V	07	H8TD21E	01	1	TS4	E2	28B		C02
01913	J1110	54						168	9		H8SA1P	03	H8TD12E	01	2	TS4	D3	25A		
01355	J1110	55		J1108	71			168	9		H8GN10V	07	H8TD20E	01	1	TS4	E1	29B		
02011	J1110	56		J1104	22			168	9		H8TD12E	01	H8TD12E	00	1	TS4	D3	26A	T3	
01370	J1110	57		J1108	77			168	9		H8GN30V	05	H8TD22E	01	1	TS4	E3	28A		C02
00410	J1110	58									GND	01				TS4		40B		
02128	J1110	59						168	9		H8TT40V	02	H8TD20E	01	2	TS4	E1	30B		
01377	J1110	60		J1110	48			168	9		H8GN40V	03	H8TD23E	01	1	TS4	E4	29A		
02018	J1110	61		J1104	20			168	9		H8TD20E	02	H8TD20E	00	1	TS4	E1	31B	T5	
01916	J1110	62		J1105	68			168	9		H8SA1Q	03	H8TD21E	01	2	TS4	E2	30A		
02090	J1110	63		J1110	49			168	9		H8TFA0	01	H8TD23E	01	2	TS4	E4	32B		
02026	J1110	64		J1104	27			168	9		H8TD23E	01	H8TD23E	00	1	TS4	E4	31A	T8	
02020	J1110	65		J1104	17			168	9		H8TD21E	01	H8TD21E	00	1	TS4	E2	33B	T6	
01912	J1110	66		J1110	54			168	9		H8SA1P	02	H8TD22E	01	2	TS4	E3	32A		
00411	J1110	67									GND	01				TS4				
02023	J1110	68		J1104	21			168	9		H8TD22E	01	H8TD22E	00	1	TS4	E3	33A	T7	
02925	J1110	69						168	9		H8C84B1	11	H8CWD1E	01	1	TS4	F2	34B		A01
02739	J1110	70						168	9		H8C85B1	11	H8CWD2E	01	1	TS4	F3	34A		A01
02838	J1110	71						168	9		H8C83B1	12	H8CWD0E	01	1	TS4	F1	35B		A01
02754	J1110	72		J1118	25			168	9		H8C86B1	01	H8CWD3E	01	1	TS4	F4	35A		A01
02887	J1110	73		J1108	79			168	9		SPI016	30	H8CWD0E	01	2	TS4	F1	36B		C02
02805	J1110	74		J1116	68			168	9		H8CCRAV	01	H8CWD1E	01	2	TS4	F2	36A		B01
03715	J1110	75		J1109	68			168	9		H8CWD0E	01	H8CWD0E	00	1	TS4	F1	37B		A01
03716	J1110	76		J1125	22			168	9		H8CWD3E	01	H8CWD3E	00	1	TS4	F4	37A		A01
02761	J1110	77						168	9		H8YE3A	04	H8CWD3E	01	2	TS4	F4	38B		E04
02746	J1110	78		J1115	64			168	9		SPI007	03	H8CWD2E	01	2	TS4	F3	38A		A01
03717	J1110	79		J1109	46			168	9		H8CWD1E	01	H8CWD1E	00	1	TS4	F2	39B		A01
03718	J1110	80		J1125	20			168	9		H8CWD2E	01	H8CWD2E	00	1	TS4	F3	39A		A01

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE					
WL10281452 CARD CAGE WIRED LH MTS												10281452 TS03MTSL		09-01-82		J1111 25					
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PIN	CONNECTOR	PIN	SIZE	MULTI GROUP	CODE	COLOR											
00115	J1111	01										DNW	01			R05					
00412	J1111	02										GND	01			R05					
00116	J1111	03										DNW	01			R05					
00117	J1111	04										DNW	01			R05					
00118	J1111	05										DNW	01			R05					
00119	J1111	06										DNW	01			R05					
00120	J1111	07										DNW	01			R05					
00121	J1111	08										DNW	01			R05					
00122	J1111	09										DNW	01			R05					
00123	J1111	10										DNW	01			R05					
00124	J1111	11										DNW	01			R05					
00047	J1111	12										+5V	01			R05					
02613	J1111	13										SPA	01	01	1	R05	A1				
00125	J1111	14										DNW	01			R05					
03719	J1111	15										SPO	01	00	1	R05	A1			T01	
00413	J1111	16										GND	01			R05					
02614	J1111	17										SPA	01	01	1	R05	A2				
03720	J1111	18										SPO	01	00	1	R05	A2			T02	
02615	J1111	19										SPA	01	01	1	R05	A3				
03721	J1111	20										SPO	01	00	1	R05	A3			T03	
02616	J1111	21										SPA	01	01	1	R05	A7				
03722	J1111	22										SPO	01	00	1	R05	A4			T04	
02617	J1111	23										SPA	01	01	1	R05	A8				
03723	J1111	24										SPO	01	00	1	R05	A5			T05	
02618	J1111	25										SPA	01	01	1	R05	A4				
03724	J1111	26										SPO	01	00	1	R05	A6			T06	
02619	J1111	27										SPA	01	01	1	R05	A5				
00048	J1111	28										+5V	01			R05					
03725	J1111	29										SPO	01	00	1	R05	A7			T07	
00126	J1111	30										DNW	01			R05					
02620	J1111	31										SPA	01	01	1	R05	A6				
00414	J1111	32										GND	01			R05					
00127	J1111	33										DNW	01			R05					
03726	J1111	34										SPO	01	00	1	R05	A8			T08	
00128	J1111	35										DNW	01			R05					
00129	J1111	36										DNW	01			R05					
00898	J1111	37		J1111	60			168	9			HBC10B1	08	HBT211V101	1	R05	B1				
02174	J1111	38		J1114	26			168	9			HBT211V1	01	HBT211V100	1	R05	B1			T09	
00906	J1111	39		J1111	59			168	9			HBC11B1	07	HBT212V101	1	R05	B2				
02178	J1111	40		J1118	45			168	9			HBT212V1	02	HBT212V100	1	R05	B2			T10	
00910	J1111	41		J1111	61			168	9			HBC12B1	02	HBT213V101	1	R05	B3				
02180	J1111	42		J1114	31			168	9			HBT213V1	01	HBT213V100	1	R05	B3			T11	
00130	J1111	43										DNW	01			R05					
00415	J1111	44										GND	01			R05					
01831	J1111	45		J1111	63			168	9			HBRM30V	05	HBT217V101	1	R05	B7				
02183	J1111	46		J1114	37			168	9			HBT214V1	01	HBT214V100	1	R05	B4			T12	
01830	J1111	47		J1111	45			168	9			HBRM30V	04	HBT218V101	1	R05	B8				
02186	J1111	48		J1114	40			168	9			HBT215V1	01	HBT215V100	1	R05	B5			T13	
00925	J1111	49		J1108	20			168	9			HBC13B1	08	HBT214V101	1	R05	B4				
02189	J1111	50		J1114	34			168	9			HBT216V1	01	HBT216V100	1	R05	B6			T14	
CONNECTOR (J1111) CONTINUED ON THE NEXT PAGE ****																					

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1111**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **26**

RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT											
00934	J1111	51		J1108	22		168	9			HBCI4B1	08	HBT215V101	1	R05	B5					
02192	J1111	52		J1114	43		168	9			HBT217V1	01	HBT217V100	1	R05	B7		T15			
00943	J1111	53		J1108	19		168	9			HBCI5B1	08	HBT216V101	1	R05	B6					
02195	J1111	54		J1114	49		168	9			HBT218V1	01	HBT218V100	1	R05	B8		T16			
00131	J1111	55									DNW	01			R05						
00132	J1111	56									DNW	01			R05						
00133	J1111	57									DNW	01			R05						
00416	J1111	58									GND	01			R05						
00907	J1111	59		J1108	06		168	9			HBCI1B1	08	HBMYA2V101	1	R05	C2					
00899	J1111	60					168	9			HBCI0B1	09	HBMYA1V101	1	R05	C1					
00911	J1111	61		J1131	61		168	9			HBCI2B1	03	HBMYA3V101	1	R05	C3					
01740	J1111	62					168	9			HBMYA1V1	03	HBMYA1V100	1	R05	C1		T17			
01832	J1111	63		J1111	65		168	9			HBRM30V	06	HBMYA7V101	1	R05	C7					
01743	J1111	64					168	9			HBMYA2V1	03	HBMYA2V100	1	R05	C2		T18			
01833	J1111	65		J1113	74		168	9			HBRM30V	07	HBMYA8V101	1	R05	C8					
01746	J1111	66					168	9			HBMYA3V1	03	HBMYA3V100	1	R05	C3		T19			
00417	J1111	67									GND	01			R05						
01749	J1111	68					168	9			HBMYA4V1	03	HBMYA4V100	1	R05	C4		T21			
00924	J1111	69		J1111	49		168	9			HBCI3B1	07	HBMYA4V101	1	R05	C4					
01750	J1111	70		J1115	71		168	9			HBMYA5V1	01	HBMYA5V100	1	R05	C5		T20			
00933	J1111	71		J1111	51		168	9			HBCI4B1	07	HBMYA5V101	1	R05	C5					
01753	J1111	72		J1115	73		168	9			HBMYA6V1	01	HBMYA6V100	1	R05	C6		T22			
00942	J1111	73		J1111	53		168	9			HBCI5B1	07	HBMYA6V101	1	R05	C6					
01756	J1111	74		J1118	42		168	9			HBMYA7V1	01	HBMYA7V100	1	R05	C7		T23			
00134	J1111	75									DNW	01			R05						
01758	J1111	76		J1118	46		168	9			HBMYA8V1	01	HBMYA8V100	1	R05	C8		T24			
00135	J1111	77									DNW	01			R05						
00136	J1111	78									DNW	01			R05						
00137	J1111	79									DNW	01			R05						
00138	J1111	80									DNW	01			R05						

DRAWING NUMBER **NL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F** INDEX **J1112**
 DATE **09-01-82** PAGE **28**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	INFO	PREFIX	CONNECTOR	PIN	INFO	MULTI GROUP	CODE	COLOR	IDENT												SPEC INST MISC
02161	J1112	51		J1110	24				168	9			HBT193E	02	HBT19AV	01	1	THI	D6		27B			
02841	J1112	52		J1112	69				168	9			HBB1ES	02	HBB38AV	01	1	THI	D1			26A		C06
02151	J1112	53							168	9			HBT19AV	02	HBT19AV	00	1	THI	D6			26B		
03727	J1112	54		J1109	65				168	9			HBB38AV	01	HBB38AV	00	1	THI	D1			25A		C01
01770	J1112	55		J1125	62				168	9			HBMV4U	02	HBMV4AV	01	1	THI	E4			29B		
01807	J1112	56							168	9			HBMV4AV	04	HBMV4AV	00	1	THI	E4			28B		
01811	J1112	57							168	9			HBMV5AV	04	HBMV5AV	00	1	THI	E5			30B		
00422	J1112	58							168	9			GND	01				THI				40A		
01775	J1112	59		J1114	17				168	9			HBMV3AV	02	HBMV3AV	01	1	THI	E5			31B		
01803	J1112	60							168	9			HBMV3AV	04	HBMV3AV	00	1	THI	E3			28A		
01764	J1112	61		J1125	56				168	9			HBMV2U	02	HBMV2AV	01	1	THI	E2			31A		
01767	J1112	62		J1125	60				168	9			HBMV3U	02	HBMV3AV	01	1	THI	E3			29A		
01799	J1112	63							168	9			HBMV2AV	04	HBMV2AV	00	1	THI	E2			30A		
01761	J1112	64		J1125	54				168	9			HBMV1U	02	HBMV1AV	01	1	THI	E1			33A		
01778	J1112	65		J1114	23				168	9			HBMV2U	02	HBMV2AV	01	1	THI	E2			30A		
01795	J1112	66							168	9			HBMV1AV	04	HBMV1AV	00	1	THI	E1			32A		
00423	J1112	67							168	9			GND	01				THI						
01815	J1112	68							168	9			HBMV6AV	04	HBMV6AV	00	1	THI	E6			32B		
02840	J1112	69		J1126	41				168	9			HBB1ES	03	HBB37AV	01	1	THI	F3			35B		C06
03728	J1112	70		J1109	35				168	9			HBB37AV	05	HBB37AV	00	1	THI	F3			34B		C01
03729	J1112	71		J1109	76				168	9			HBB430V	01	HBB430V	00	1	THI	F2			36B		C01
01894	J1112	72							168	9			HBSAFV	02	HBSAFV	00	1	THI	F4			34A		
02839	J1112	73		J1109	71				168	9			HC40B01	02	HBB430V	01	1	THI	F2			37B		C01
02040	J1112	74							168	9			HBTETER	02	HBSAFV	01	1	THI	F4			35A		
02044	J1112	75							168	9			HBTETER	02	HBSAFV	01	1	THI	F4			35A		
02042	J1112	76							168	9			HBTETER	02	HBSAFV	01	1	THI	F5			37A		
01898	J1112	77							168	9			HBSAGV	02	HBSAGV	00	1	THI	F5			36A		
01896	J1112	78							168	9			HBSAGV	02	HBSAGV	00	1	THI	F5			36A		
02403	J1112	79		J1109	55				168	9			HBYBPA	02	HBYBPOV	01	1	THI	F1			39B		
02406	J1112	80							168	9			HBYBPOV	02	HBYBPOV	00	1	THI	F1			38B		CLOCK CKT MASK CT

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1113**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **30**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULT GROUP	CODE	COLOR	IDENT											
01689		J1113	51		J1112	36			168	9			HBLA10	01	HBLA10	00	1	TQ2	D4		27B		
02242		J1113	52						168	9			HBWAJA	04	HBWAJA	00	1	TQ2	D1		24A		C01
00850		J1113	53						168	9			HBCG85U	02	HBCGCA	01	1	TQ2	E3		28B		
02325		J1113	54		J1113	23			168	9			HBW4A0V	01	HBWAJA	01	1	TQ2	D1		25A		
00847		J1113	55		J1108	68			168	9			HBCGA5U	02	HBCGCA	01	2	TQ2	E3		29B		
02305		J1113	56		J1113	50			168	9			HBW180V	01	HBWAJA	01	2	TQ2	D1		26A		
00851		J1113	57		J1103	77			168	9			HBCGCA	01	HBCGCA	00	1	TQ2	E3		30B	(72 SHIFT COMP)*	
00428		J1113	58										GND	01				TQ2			27A		
00975		J1113	59		J1117	50			168	9			SPI009	00F	HBCSCO	01	1	TQ2	E4		31B		C01
01671		J1113	60		J1108	51			168	9			HBLACO	02	HBLACO	00	1	TQ2	E2		28A		
00654		J1113	61						168	9			HBCASA	02	HBCSCO	01	2	TQ2	E4		32B		
01668		J1113	62		J1103	51			168	9			HBLABA	01	HBLACO	01	1	TQ2	E2		29A		
00992		J1113	63						168	9			HBCSCO	04	HBCSCO	00	1	TQ2	E4		33B		
01674		J1113	64		J1109	64			168	9			HBLADA	01	HBLACO	01	2	TQ2	E2		30A		
01787		J1113	65		J1109	62			168	9			HBMYTP	01	HBMYLA	01	1	TQ2	F3		34B		
02002		J1113	66		J1146	78			168	9			HBB53A	01	HBB53A	00	1	TQ2	E1		31A		C07
00429		J1113	67										GND	01				TQ2			40A		
02079		J1113	68						168	9			HBS51A	02	HBB53A	01	1	TQ2	E1		32A		E07
01782		J1113	69						168	9			HBMYLA	03	HBMYLA	00	1	TQ2	F3		35A		
00598		J1113	70		J1142	75			168	9			HBB530	01	HBB53A	01	2	TQ2	E1		33A		C07
02340		J1113	71		J1109	63			168	9			HBYPAP	01	HBYPAP	01	1	TQ2	F2		36A		
02468		J1113	72						168	9			HBYPAP	02	HBYPAP	00	1	TQ2	F2		34A		
02402		J1113	73		J1112	79			168	9			HBYPAP	01	HBYPAP	01	2	TQ2	F2		36B		
01834		J1113	74		J1130	71			168	9			HBRM30V	08	HBMYLA	01	2	TQ2	F3		35B		B01
01009		J1113	75		J1103	61			168	9			HBCS2A	01	HBCS2A	00	1	TQ2	F1		37B		
01731		J1113	76		J1106	26			168	9			SPI005	00C	HBLDCO	01	1	TQ2	F4		37A		C05
00951		J1113	77		J1109	09			168	9			HBCK20	01	HBCS2A	01	1	TQ2	F1		38B		
00955		J1113	78						168	9			HBCP1A	03	HBLDCO	01	2	TQ2	F4		38A		
00844		J1113	79		J1125	80			168	9			HBCCYQ	06	HBCS2A	01	2	TQ2	F1		39B		
01733		J1113	80						168	9			HBLDCO	02	HBLDCO	00	1	TQ2	F4		39A		

DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX								
WL10281452												10281452		F		J1114								
UNIT ASSEMBLY NAME												FILE IDENT		DATE		PAGE								
CARD CAGE WIRED LH MTS												TSQ3MTSL		09-01-82		32								
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM F	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	QTY	PREFIX	CONNECTOR	PIN	QTY	MULTI GROUP	CODE	COLOR	IDENT									SPC UNIT MISC	AND OR		
02171	J1114	51		J1112	75					168	9		HBYEHER	01	HBYEHER	00	1	EOR	D2		27B		801	
02854	J1114	52		J1114	46					168	9		SPI015	38		01	2	EOR	D3		24A			
03731	J1114	53		J1114	61					168	9		SPI016	23		01	2	EOR	E1		28B		801	
02878	J1114	54		J1114	60					168	9		SPI016	21		01	1	EOR	D3		25A			
02852	J1114	55		J1115	53					168	9		SPI015	36		01	1	EOR	E1		29B			
03732	J1114	56										SPO	01			00	1	EOR	D3		26A			
02851	J1114	57		J1114	55					168	9		SPI015	35		01	2	EOR	E4		28A			
00434	J1114	58										GND	01					EOR						
02880	J1114	59										SPO	01			01	1	EOR	E1		30B		801	
02879	J1114	60		J1114	53					168	9		SPI016	22		01	1	EOR	E4		29A		801	
03733	J1114	61		J1114	66					168	9		SPI016	24		01	2	EOR	E2		31B		801	
03734	J1114	62										SPO	01			00	1	EOR	E4		30A			
02850	J1114	63		J1114	57					168	9		SPI015	34		01	1	EOR	E2		32B			
02849	J1114	64		J1114	63					168	9		SPI015	33		01	2	EOR	E3		31A			
02881	J1114	65										SPO	01			00	1	EOR	E2		33B		801	
02882	J1114	66		J1114	72					168	9		SPI016	25		01	1	EOR	E3		32A			
00435	J1114	67										GND	01					EOR						
03735	J1114	68										SPO	01			00	1	EOR	E3		33A			
03736	J1114	69		J1110	73					168	9		SPI016	29		01	2	EOR	F1		34B		801	
02848	J1114	70		J1114	64					168	9		SPI015	32		01	2	EOR	F4		34A			
02847	J1114	71		J1114	70					168	9		SPI015	31		01	1	EOR	F1		35B			
02883	J1114	72		J1114	78					168	9		SPI016	26		01	1	EOR	F4		35A			
02886	J1114	73										SPO	01			00	1	EOR	F1		36B		801	
03737	J1114	74										SPO	01			00	1	EOR	F4		36A			
03738	J1114	75		J1114	69					168	9		SPI016	28		01	2	EOR	F2		37B		801	
02845	J1114	76		J1114	77					168	9		SPI015	29		01	2	EOR	F3		37A			
02846	J1114	77		J1114	71					168	9		SPI015	30		01	1	EOR	F2		38B			
02884	J1114	78		J1114	75					168	9		SPI016	27		01	1	EOR	F3		38A		801	
02885	J1114	79										SPO	01			00	1	EOR	F2		39B		801	
03739	J1114	80										SPO	01			00	1	EOR	F3		39A			

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DRAWING NUMBER ML10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

CONNECTOR

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL
 REV F
 DATE 09-01-82
 INDEX PAGE J1115 33

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTORY	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	C/S	PREFIX	CONNECTOR	PIN	C/S	MULTI GROUP	CODE	COLOR	IDENT											
00139		J1115	01										DNW	01									
00436		J1115	02										GND	01				DBC				01A	
02918		J1115	03		J1114	14				168	9		HBMYB3U	001	HBMXC2T	01	1	DBC	A3		02B	803	
02817		J1115	04		J1114	03				168	9		HBMYB1U	001	HBMXC0T	01	1	DBC	A1		02A	803	
02807		J1115	05		J1115	21				168	9		HBCCR AV	00C	HBMXC3T	01	1	DBC	A4		03B	803	
02898		J1115	06		J1114	09				168	9		HBMYB2U	001	HBMXC1T	01	1	DBC	A2		03A	803	
03740		J1115	07										SPO	01			00	1	DBC	A6		04B	
03741		J1115	08									M	HBMXC0T	01	HBMXC0T	00	1	DBC	A1		04A	803	
03742		J1115	09									M	SPO	01			00	1	DBC	A7		05B	
03743		J1115	10									M	HBMXC1T	01	HBMXC1T	00	1	DBC	A2		05A	803	
03744		J1115	11										SPO	01			00	1	DBC	A8		06B	
00055		J1115	12										+5V	01							08A		
03745		J1115	13									M	HBMXC3T	01	HBMXC3T	00	1	DBC	A4		07A	803	
03746		J1115	14									M	HBMXC2T	01	HBMXC2T	00	1	DBC	A3		06A	803	
03747		J1115	15										SPO	01			00	1	DBC	A9		07B	
02599		J1115	16										GND	01							01B		
03748		J1115	17		J1116	15				168	9		HBMXC4T	01	HBMXC4T	00	1	DBC	A5		08B	803	
03749		J1115	18										SPO	01			00	1	DBC	A0		09A	
02919		J1115	19							168	9		HBNY20V	02	HBMWC2T	01	1	DBC	B3		09B	803	
02823		J1115	20		J1114	06				168	9		HBMYB4U	001	HBMWC0T	01	1	DBC	B1		10A	803	
02808		J1115	21		J1110	74				168	9		HBCCR AV	00H	HBMWC3T	01	1	DBC	B4		10B	803	
02897		J1115	22							168	9		HBNY10V	02	HBMWC1T	01	1	DBC	B2		11A	803	
03750		J1115	23										SPO	01			00	1	DBC	B6		11B	
03751		J1115	24										SPO	01			00	1	DBC	B1		12A	
03752		J1115	25										SPO	01			00	1	DBC	B7		12B	
03753		J1115	26										SPO	01			00	1	DBC	B2		13A	
03754		J1115	27										SPO	01			00	1	DBC	B3		14A	
00056		J1115	28										+5V	01							08A		
03755		J1115	29										SPO	01			00	1	DBC	B8		13B	
03756		J1115	30		J1116	17				168	9		HBMWC3T	01	HBMWC3T	00	1	DBC	B4		15A	803	
03757		J1115	31										SPO	01			00	1	DBC	B9		14B	
00437		J1115	32										GND	01							27A		
03758		J1115	33										SPO	01			00	1	DBC	B5		16A	
03759		J1115	34										SPO	01			00	1	DBC	B0		15B	
01292		J1115	35		J1113	49				168	9		HBFBDAV	05	HBLA25U	01	1	DBC	C5		16B		
01725		J1115	36							168	9		HBLA25U	03	HBLA25U	00	1	DBC	C5		17A		
01670		J1115	37		J1113	60				168	9		HBLAC0	01	HBLA22U	01	1	DBC	C2		17B		
03901		J1115	38									M	HBLA21U	01	HBLA21U	00	1	DBC	C1		18A		
00709		J1115	39							168	9		HBCA5B1	11	HBLA21U	01	1	DBC	C1		18B		
02621		J1115	4T										SPA	01	HBMXC4T	01	1	DBC	A5				
03902		J1115	40									M	HBLA22U	01	HBLA22U	00	1	DBC	C2		19A		
00720		J1115	41							168	9		HBCA6B1	11	HBLA21U	01	2	DBC	C1		19B		
03903		J1115	42									M	HBLA23U	01	HBLA23U	00	1	DBC	C3		20A		
00731		J1115	43							168	9		HBCA7B1	11	HBLA21U	01	3	DBC	C1		22B		
00438		J1115	44										GND	01							40B		
00742		J1115	45							168	9		HBCA8B1	11	HBLA21U	01	4	DBC	C1		23B		
03904		J1115	46									M	HBLA24U	01	HBLA24U	00	1	DBC	C4		21A		
01720		J1115	47		J1108	36				168	9		HBLA15U	01	HBLA23U	01	1	DBC	C3		23A		
02856		J1115	48		J1129	51				168	9		SPT015	40	HBLA24U	01	1	DBC	C4		22A		
01033		J1115	49							168	9		HBCTRAV	03	HBCTESU	01	1	DBC	D5		24B		
CONNECTOR J1115 CONTINUED ON THE NEXT PAGE ****																							

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DRAWING NUMBER		WL10281452		CONNECTOR		UNIT ASSEMBLY NO.		10281452		REV F		INDEX		J1115											
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS		FILE IDENT		TSQ3MTSL		DATE		09-01-82		PAGE		34											
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUIVATION	WIRE NO	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT									WIRE NO	AND			OR
02622	J1115	5T												SPA	01		01	1	DBC	A6					
01701	J1115	50							16B	9				HBLAKQ	05	HBLA21U	01	5	DBC	C1		24A			
00991	J1115	51		J1113	63				16B	9				HBSC0	03	HBCTE2U	01	1	DBC	D2		25B			
03883	J1115	52												HBCTE5U	01	HBCTE5U	00	1	DBC	D5		25A			
02853	J1115	53		J1114	52				16B	9				SPI015	37	HBCTE1U	01	1	DBC	D1		26R			
01028	J1115	54							16B	9				HBCTE1U	03	HBCTE1U	00	1	DBC	D1		26A			
02877	J1115	55		J1114	54				16B	9				SPI016	20	HBCTE1U	01	2	DBC	D1		27B			
01030	J1115	56							16B	9				HBCTE2U	02	HBCTE2U	00	1	DBC	D2		28B			
02917	J1115	57		J1109	25				16B	9				SPI017	19	HBCTE1U	01	3	DBC	D1		29B			B03
00439	J1115	58												GND	01				DBC						
02806	J1115	59		J1123	45				16B	9				SPI014	07	HBCTE1U	01	4	DBC	D1		30B			B03
02623	J1115	6T												SPA	01		01	1	DBC	A7					
03881	J1115	60							16B	9				HBCTE3U	01	HBCTE3U	00	1	DBC	D3		28A			
01025	J1115	61												HBCTD5U	02	HBCTE3U	01	1	DBC	D3		31B			
03882	J1115	62							16B	9				HBCTE4U	01	HBCTE4U	00	1	DBC	D4		29A			
02740	J1115	63		J1125	50				16B	9				SPI006	05	HBCTE1U	01	5	DBC	D1		31A			
02747	J1115	64		J1125	47				16B	9				SPI007	04	HBCTE4U	01	1	DBC	D4		30A			
00140	J1115	65												DNW	01				DBC						
01284	J1115	66		J1105	64				16B	9				HBFB5AV	06	HBMYC5U	01	1	DBC	E5		32B			
00440	J1115	67												GND	01				DBC						
03911	J1115	68												HBMYC5U	01	HBMYC5U	00	1	DBC	E5		33A			
02467	J1115	69		J1113	72				16B	9				HBVCP0	01	HBMYC2U	01	1	DBC	E2		32A			
02624	J1115	7T												SPA	01		01	1	DBC	A8					
01774	J1115	70		J1112	59				16B	9				HBMYC1U	01	HBMYC1U	00	1	DBC	E1		34A			
01751	J1115	71		J1118	39				16B	9				HBMYA5V1	02	HBMYC1U	01	1	DBC	E1		33B			
01777	J1115	72		J1112	65				16B	9				HBMYC2U	01	HBMYC2U	00	1	DBC	E2		35A			
01754	J1115	73		J1118	40				16B	9				HBMYA6V1	02	HBMYC1U	01	2	DBC	E1		34B			
03909	J1115	74												HBMYC3U	01	HBMYC3U	00	1	DBC	E3		36A			
01372	J1115	75		J1125	75				16B	9				HBGN30V	07	HBMYC1U	01	3	DBC	E1		35B			
03910	J1115	76												HBMYC4U	01	HBMYC4U	00	1	DBC	E4		37A			
01376	J1115	77		J1110	60				16B	9				HBGN40V	02	HBMYC1U	01	4	DBC	E1		36B			
02844	J1115	78		J1114	76				16B	9				SPI015	28	HBMYC4U	01	1	DBC	E4		38A			
01773	J1115	79							16B	9				HBMYB5U	02	HBMYC3U	01	1	DBC	E3		37B			
02625	J1115	8T												SPA	01		01	1	DBC	A9					
01781	J1115	80		J1113	69				16B	9				HBMYLA	01	HBMYC1U	01	5	DBC	E1		38B			
02626	J1115	9T												SPA	02		01	1	DBC	A0					

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

CONNECTOR

UNIT ASSEMBLY NO. 10281452 REV F INDEX J1116
 FILE IDENT TSQ3MTSL DATE 09-01-82 PAGE 36

RECORD NUMBER	FROM			TO			WIRE					SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	DIFFE	MULTI GROUP	CODE	COLOR	IDENT											
01814	J1116	51	J1112	68	168	9						HBMY6AV	03	HBYB60V	01	1	THI	D6		27B		
01806	J1116	52	J1112	56	168	9						HBMY4AV	03	HBYA40V	01	1	THI	D1		26A		
02463	J1116	53	J1119	31	168	9						HBYB60V	07	HBYB60V	00	1	THI	D6		26B		
02372	J1116	54	J1122	69	168	9						HBYA40V	01	HBYA40V	00	1	THI	D1		25A		
02942	J1116	55	J1125	30	168	9						HBCWM3T	01	HBCK30V	01	1	THI	E4		29B	A01	
03767	J1116	56	J1117	35	168	9						HBCK30V	01	HBCK30V	00	1	THI	E4		28B	A01	
03768	J1116	57			168	9						HBCK40V	02	HBCK40V	00	1	THI	E5		30B	A01	
00445	J1116	58										GND	01							40A		
02943	J1116	59	J1125	33	168	9						HBCWM4T	01	HBCK40V	01	1	THI	E5		31B	A01	
03769	J1116	60	J1117	29	168	9						HBCK20V	01	HBCK20V	00	1	THI	E3		28A	A01	
02843	J1116	61	J1125	26	168	9						HBCWM1T	01	HBCK10V	01	1	THI	E2		31A	A01	
02842	J1116	62	J1125	27	168	9						HBCWM2T	01	HBCK20V	01	1	THI	E3		29A	A01	
03770	J1116	63	J1117	34	168	9						HBCK10V	01	HBCK10V	00	1	THI	E2		30A	A01	
02150	J1116	64	J1112	53	168	9						HBT19AV	01	HBT190V	01	1	THI	E1		33A		
02937	J1116	65	J1125	71	168	9						SPI018	08	HBCCRAV	01	1	THI	E6		33B	CO1	
02154	J1116	66	J1110	33	168	9						HBT190V	01	HBT190V	00	1	THI	E1		32A		
00446	J1116	67										GND	01									
03771	J1116	68	J1125	21	168	9						HBCCRAV	02	HBCCRAV	00	1	THI	E6		32B	A01	
02936	J1116	69			168	9						HBFR80	02	HBFR8AV	01	1	THI	F3		35B	BO4	
03772	J1116	70	J1117	61	168	9						HBFR8AV	01	HBFR8AV	00	1	THI	F3		34B	BO4	
03773	J1116	71	J1117	49	168	9						HBB390V	01	HBB390V	00	1	THI	F2		36B	CO1	
03774	J1116	72	J1128	78	168	9						HBB400V	01	HBB400V	00	1	THI	F4		34A	CO1	
02935	J1116	73			168	9						HCO1A01	03	HBB390V	01	1	THI	F2		37B	CO1	
02931	J1116	74			168	9						HCO1B01	03	HBB400V	01	1	THI	F4		35A	CO1	
02934	J1116	75	J1109	33	168	9						HC20A01	02	HBB410V	01	1	THI	F6		39A	CO1	
02932	J1116	76			168	9						HBB07A	03	HBB070V	01	1	THI	F5		37A	CO1	
03775	J1116	77	J1103	19	168	9						HBB410V	01	HBB410V	00	1	THI	F6		38A	CO1	
03776	J1116	78	J1117	65	168	9						HBB070V	01	HBB070V	00	1	THI	F5		36A	CO1	
02933	J1116	79			168	9						HBFACS	06	HBFAVAV	01	1	THI	F1		39B	CO1	
03777	J1116	80	J1145	75	168	9						HBFAVAV	01	HBFAVAV	00	1	THI	F1		38B	CO1	

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DRAWING NUMBER		WL10281452		CONNECTOR		UNIT ASSEMBLY NO.		10281452		REV F		INDEX		J1117								
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS		CONNECTION		FILE IDENT		TSQ3MTSL		DATE		09-01-82		PAGE		38						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FAC	CTK OR CHV TYPE	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	DR TO	PREFIX	CONNECTOR	PIN	DR TO	WIRE	WIRE	WIRE	WIRE										
03779	J1117	51		J1109	23			168	9			HBB28A	01	HBB28A	00	1	TQ2	D4		27B		C01
01206	J1117	52		J1103	34			168	9			HBB27A	01	HBB27A	00	1	TQ2	D1		24A		C01
02941	J1117	53		J1116	26			168	9			HBST1AV	04	HBFR20	01	1	TQ2	E3		28B		E08
02310	J1117	54		J1116	73			168	9			HCO1A01	02	HBB27A	01	1	TQ2	D1		25A		C01
02873	J1117	55		J1107	25			168	9			HBST2P	05	HBFR20	01	2	TQ2	E3		29B		C06
02336	J1117	56		J1117	47			168	9			HBB37AV	03	HBB27A	01	2	TQ2	D1		26A		C01
03780	J1117	57		J1128	59			168	9			HBFR20	01	HBFR20	00	1	TQ2	E3		30B		B04
00451	J1117	58										GND	01				TQ2			27A		
02944	J1117	59						168	9			HBFR20	01	HBFR20	00	1	TQ2	E3		30B		B04
03781	J1117	60		J1105	04			168	9			HBBRA	01	HBBRA	00	1	TQ2	E2		28A		C01
02872	J1117	61						168	9			HBFRBAV	02	HBFRBAV	01	2	TQ2	E4		32B		B04
02945	J1117	62		J1117	70			168	9			HBBIER	05	HBBRA	01	1	TQ2	E2		29A		C06
03782	J1117	63		J1106	70			168	9			HBFRBAV	02	HBFRBAV	01	2	TQ2	E4		32B		B04
02871	J1117	64						168	9			HBBRA	01	HBBRA	00	2	TQ2	E2		30A		C01
02938	J1117	65						168	9			HBB07OV	02	HBBARA	01	1	TQ2	F3		34B		C01
03783	J1117	66		J1105	03			168	9			HBBBSA	01	HBBBSA	00	1	TQ2	E1		31A		C01
00452	J1117	67										GND	01				TQ2			40A		
02946	J1117	68		J1116	08			168	9			HBBBSA	01	HBBBSA	00	1	TQ2	E1		32A		C01
03784	J1117	69		J1140	73			168	9			HBBARA	01	HBBARA	00	1	TQ2	F3		35A		C01
02870	J1117	70		J1117	74			168	9			HBBIER	06	HBBBSA	01	2	TQ2	E1		33A		C06
02017	J1117	71		J1110	61			168	9			HBT020E	01	HBT020E	01	1	TQ2	F2		36A		
02080	J1117	72						168	9			HBT020E	01	HBT020E	01	1	TQ2	F2		36A		
02131	J1117	73		J1104	14			168	9			HBT020E	01	HBT020E	01	1	TQ2	F2		36A		
02869	J1117	74		J1117	78			168	9			HBT020E	01	HBT020E	01	1	TQ2	F2		36A		
01730	J1117	75						168	9			HBBIER	07	HBBARA	01	2	TQ2	F3		35B		C06
02930	J1117	76		J1116	76			168	9			HBCGFA	02	HBCGFA	00	1	TQ2	F1		37B		C05
01719	J1117	77		J1103	57			168	9			HBB07A	02	HBBASA	01	1	TQ2	F4		37A		C01
02868	J1117	78		J1107	10			168	9			HBB07A	02	HBBASA	01	1	TQ2	F4		37A		C01
01208	J1117	79		J1113	57			168	9			HBBIER	08	HBBASA	01	2	TQ2	F4		38A		C06
03785	J1117	80		J1140	65			168	9			HBCGCA	00C	HBCGFA	01	2	TQ2	F1		39B		C05
												HBBASA	01	HBBASA	00	1	TQ2	F4		39A		C01

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DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX						
WL10281452												10281452		F		J1118						
UNIT ASSEMBLY NAME												FILE IDENT		DATE		PAGE						
CARD CAGE WIRED LH MTS												TSQ3MTSL		09-01-82		39						
RECORD NUMBER	PREFIX	CONNECTOR	FIN	INCL	PREFIX	CONNECTOR	FIN	INCL	MULTI GROUP	WIRE CODE	WIRE COLOR	IDENT	SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
00141		J1118	01										DNW	01			RR1					
00453		J1118	02										GND	01			RR1					
00031		J1118	03		J1118	13				180	2		+05RES	34			RR1	AP				A01
00032		J1118	04		J1118	03				180	2		+05RES	33			RR1	AP				A01
00664		J1118	05		J1108	39				168	9		HBCA1B1	10			RR1	A1				
00675		J1118	06		J1108	41				168	9		HBCA2B1	10			RR1	A2				
00686		J1118	07		J1108	43				168	9		HBCA3B1	10			RR1	A3				
00697		J1118	08		J1108	45				168	9		HBCA4B1	10			RR1	A4				
00708		J1118	09		J1115	39				168	9		HBCA5B1	10			RR1	A5				
00719		J1118	10		J1115	41				168	9		HBCA6B1	10			RR1	A6				
00142		J1118	11										DNW	01			RR1					
00143		J1118	12										+5V	01			RR1					D03
00030		J1118	13		J1118	14				180	2		+05RES	35			RR1	BP				A01
00029		J1118	14		J1118	22				180	2		+05RES	36			RR1	BP				A01
02582		J1118	15										KEY	01			RR1					
02583		J1118	16										KEY	01			RR1					
00730		J1118	17		J1115	43				168	9		HBCA7B1	10			RR1	B1				
00741		J1118	18		J1115	45				168	9		HBCA8B1	10			RR1	B2				
00753		J1118	19							168	9		HBCB1B1	11			RR1	B3				
00765		J1118	20							168	9		HBCB2B1	12			RR1	B4				
00027		J1118	21		J1118	33				180	2		+05RES	38			RR1	CP				A01
00028		J1118	22		J1118	21				180	2		+05RES	37			RR1	CP				A01
00798		J1118	23		J1110	70				168	9		HBCB5B1	10			RR1	C1				A01
00776		J1118	24		J1110	71				168	9		HBCB6B1	11			RR1	B5				A01
00801		J1118	25		J1119	26				168	9		HBCB6B1	02			RR1	C2				
00786		J1118	26		J1110	69				168	9		HBCB*61	10			RR1	B6				A01
02584		J1118	27										KEY	01			RR1					
02585		J1118	28										KEY	01			RR1					
00820		J1118	29							168	9		HBCB7B1	10			RR1	C3				A01
00832		J1118	30		J1112	38				168	9		HBCB8B1	11			RR1	C4				
00144		J1118	31										DNW	01			RR1					
00454		J1118	32										GND	01			RR1					
00026		J1118	33		J1118	34				180	2		+05RES	39			RR1	DP				A01
00025		J1118	34		J1118	50				180	2		+05RES	40			RR1	DP				A01
01745		J1118	35		J1111	66				168	9		HBMYA3V1	02			RR1	D1				
01742		J1118	36		J1111	64				168	9		HBMYA2V1	02			RR1	C6				
01748		J1118	37		J1111	68				168	9		HBMYA4V1	02			RR1	D2				
01739		J1118	38		J1111	62				168	9		HBMYA1V1	02			RR1	C5				
01752		J1118	39							168	9		HBMYA5V1	03			RR1	D3				
01755		J1118	40							168	9		HBMYA6V1	03			RR1	D4				
02176		J1118	41							168	9		HBT211V1	03			RR1	E1				
01757		J1118	42							168	9		HBMYA7V1	02			RR1	D5				
00145		J1118	43										DNW	01			RR1					
00455		J1118	44										GND	01			RR1					
02179		J1118	45							168	9		HBT212V1	03			RR1	E2				
01759		J1118	46							168	9		HBMYA8V1	02			RR1	D6				
02182		J1118	47							168	9		HBT213V1	03			RR1	E3				
02185		J1118	48							168	9		HBT214V1	03			RR1	E4				
00023		J1118	49		J1118	59				180	2		+05RES	42			RR1	EP				A01
00024		J1118	50		J1118	49				180	2		+05RES	41			RR1	EP				A01
CONNECTOR (J1118) CONTINUED ON THE NEXT PAGE ****																						

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RECORD NUMBER	FROM			TO			WIRE			SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	COLOR	IDENT											
02194	J1118	51					168	9		HBT217V1	03			RR1	F1					
02188	J1118	52					168	9		HBT215V1	03			RR1	E5					
02197	J1118	53					168	9		HBT218V1	03			RR1	F2					
02191	J1118	54					168	9		HBT216V1	03			RR1	E6					
03872	J1118	55		J1145	39		168	9		WTSSSA1	03			RR1	F3				A01	
03869	J1118	56		J1145	40		168	9		WTSSCA1	02			RR1	F4				A01	
00146	J1118	57								DNW	01			RR1						
00456	J1118	58								GND	01			RR1						
00022	J1118	59		J1118	60		180	2		+05RES	43			RR1	FP				A01	
00021	J1118	60		J1118	70		180	2		+05RES	44			RR1	FP				A01	
03829	J1118	61					168	9		HBFACD1	02			RR1	G1				B01	
03867	J1118	62		J1145	41		168	9		WTSBCA1	03			RR1	F5				A01	
03831	J1118	63					168	9		HBFABD1	02			RR1	G2				B01	
03854	J1118	64		J1144	11		168	9		WBSTP01	02			RR1	F6					
03833	J1118	65					168	9		SP0003	02			RR1	G3					
03835	J1118	66		J1146	06		168	9		HCPRB+51	01			RR1	G4				C06	
00457	J1118	67								GND	01			RR1						
00147	J1118	68								DNW	01			RR1						
00019	J1118	69		J1118	79		180	2		+05RES	46			RR1	GP				A01	
00020	J1118	70		J1118	69		180	2		+05RES	45			RR1	GP				A01	
02712	J1118	71					168	9		HBTAT01	03			RR1	H1					
02695	J1118	72		J1137	09		168	9		HBKASD	00			RR1	G5				C01	
02726	J1118	73		J1137	15		168	9		HBKATD	00			RR1	H2				C01	
02711	J1118	74								SPR				RR1	G6					
02735	J1118	75		J1137	46		168	9		HBJAPD1	01			RR1	H3				D02	
02741	J1118	76								HBJARD1	03			RR1	H4				D02	
02755	J1118	77								SPR				RR1	H5					
02748	J1118	78					168	9		HCDDI01	03			RR1	H6				C06	
00018	J1118	79		J1118	80		180	2		+05RES	47			RR1	HP				A01	
00017	J1118	80					180	2	K	+05RES	48			RR1	HP				A01	

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CONNECTOR

UNIT ASSEMBLY NO. 10281452 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS DATE 09-01-82 INDEX J1119 PAGE 43

DATA SYSTEMS

RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	CUT OR CHIP FACTOR TYPE	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT									
00168	J1119	77									DNW	01			RD5				
00169	J1119	78									DNW	01			RD5				
00170	J1119	79									DNW	01			RD5				
00171	J1119	80									DNW	01			RD5				

TM 11-7010-201-40-4/ET821-AA-MMI-040/E154 MTS/T.O. 31S5-2TSQ73-2-4

DRAWING NUMBER		CONNECTOR											UNIT ASSEMBLY NO.		REV F		INDEX					
WL10281452													10281452		DATE		PAGE					
UNIT ASSEMBLY NAME													FILE IDENT		09-01-82		J1120					
CARD CAGE WIRED LH MTS													TSQ3MTSL				46					
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	SH	PREFIX	CONNECTOR	PIN	SH	MULTI GROUP	CODE	COLOR	IDENT										
00192	J1120	77											DNW	01			R05					
00193	J1120	78											DNW	01			R05					
00194	J1120	79											DNW	01			R05					
00195	J1120	80											DNW	01			R05					

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DRAWING NUMBER UNIT ASSEMBLY NAME				CONNECTOR											UNIT ASSEMBLY NO.		REV		INDEX		
WL10281452 CARD CAGE WIRED LH MTS															10281452		F		J1121		
FILE IDENT															TSQ3MTSL		DATE		PAGE		
																	09-01-82		49		
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ. NO.	EQUATION	TERM. SYMBOL	FLIGHT	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO.	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	C. GROUP	MULTI GROUP	CODE	COLOR											IDENT
00216	J1121	77										DNW	01								
00217	J1121	78										DNW	01								
00218	J1121	79										DNW	01								
00219	J1121	80										DNW	01								

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DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE					
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1123 53					
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	SIZE	MULTI GROUP	CODE	COLOR											
00244	J1123	01										DNW	01			R05					
00482	J1123	02										GND	01			R05					
00245	J1123	03										DNW	01			R05					
00246	J1123	04										DNW	01			R05					
00247	J1123	05										DNW	01			R05					
00248	J1123	06										DNW	01			R05					
00249	J1123	07										DNW	01			R05					
00250	J1123	08										DNW	01			R05					
00251	J1123	09										DNW	01			R05					
00252	J1123	10										DNW	01			R05					
00253	J1123	11										DNW	01			R05					
00069	J1123	12										+5V	01			R05					
02349	J1123	13		J1122	13			168	9			HBYA10V	08	HBC4A1V	01	1	R05	A1			
00254	J1123	14										DNW	01			R05					
00662	J1123	15		J1122	15			168	9		P	HBC4A1V	08	HBCA1B1	04	1	R05	A1		T01	
01110	J1123	15									J	HBC4A1V	01	HBC4A1V	00	1	R05	A1		T01	HBCA1B1 BUSS
00483	J1123	16										GND	01			R05					
02359	J1123	17		J1122	17			168	9			HBYA20V	08	HBC4A2V	01	1	R05	A2			
00673	J1123	18		J1122	18			168	9		P	HBC4A2V	08	HBCA2B1	04	1	R05	A2		T02	
01111	J1123	18									J	HBC4A2V	01	HBC4A2V	00	1	R05	A2		T02	HBCA2B1 BUSS
02369	J1123	19		J1122	19			168	9			HBYA30V	08	HBC4A3V	01	1	R05	A3			
00684	J1123	20		J1122	20			168	9		P	HBC4A3V	08	HBCA3B1	04	1	R05	A3		T03	
01112	J1123	20									J	HBC4A3V	01	HBC4A3V	00	1	R05	A3		T03	HBCA3B1 BUSS
01636	J1123	21		J1120	21			168	9			HBK030V	03	HBC4A7V	01	1	R05	A7			
00695	J1123	22		J1122	22			168	9		J	HBC4A4V	08	HBCA4B1	04	1	R05	A4		T04	
01113	J1123	22									P	HBC4A4V	01	HBC4A4V	00	1	R05	A4		T04	HBCA4B1 BUSS
01635	J1123	23		J1123	21			168	9			HBK030V	02	HBC4A8V	01	1	R05	A8			
00706	J1123	24		J1122	24			168	9		P	HBC4A5V	08	HBCA5B1	04	1	R05	A5		T05	
01114	J1123	24									J	HBC4A5V	01	HBC4A5V	00	1	R05	A5		T05	HBCA5B1 BUSS
02380	J1123	25		J1124	25			168	9			HBYA40V	09	HBC4A4V	01	1	R05	A4			
00717	J1123	26		J1122	26			168	9		P	HBC4A6V	08	HBCA6B1	04	1	R05	A6		T06	
01115	J1123	26									J	HBC4A6V	01	HBC4A6V	00	1	R05	A6		T06	HBCA6B1 BUSS
02389	J1123	27		J1122	27			168	9			HBYA50V	08	HBC4A5V	01	1	R05	A5			
00070	J1123	28										+5V	01			R05					
00728	J1123	29		J1122	29			168	9		P	HBC4A7V	08	HBCA7B1	04	1	R05	A7		T07	
01116	J1123	29									J	HBC4A7V	01	HBC4A7V	00	1	R05	A7		T07	HBCA7B1 BUSS
00255	J1123	30										DNW	01			R05					
02399	J1123	31		J1122	31			168	9			HBYA60V	08	HBC4A6V	01	1	R05	A6			
00484	J1123	32										GND	01			R05					
00256	J1123	33										DNW	01			R05					
00739	J1123	34		J1122	34			168	9		P	HBC4A8V	08	HBCA8B1	04	1	R05	A8		T08	
01117	J1123	34									J	HBC4A8V	01	HBC4A8V	00	1	R05	A8		T08	HBCA8B1 BUSS
00257	J1123	35										DNW	01			R05					
00258	J1123	36										DNW	01			R05					
02346	J1123	37		J1124	37			168	9			HBYA10V	05	HBC5A1V	01	1	R05	B1			
00659	J1123	38		J1124	38			168	9		P	HBC5A1V	05	HBCA1B1	05	1	R05	B1		T09	
01126	J1123	38									J	HBC5A1V	01	HBC5A1V	00	1	R05	B1		T09	HBCA1B1 BUSS
02356	J1123	39		J1124	39			168	9			HBYA20V	05	HBC5A2V	01	1	R05	B2			
00670	J1123	40		J1124	40			168	9		P	HBC5A2V	05	HBCA2B1	05	1	R05	B2		T10	
01127	J1123	40									J	HBC5A2V	01	HBC5A2V	00	1	R05	B2		T10	HBCA2B1 BUSS
	CONNECTOR	J1123		CONTINUED ON THE NEXT PAGE ****																	

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DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV	INDEX	
WL10281452												10281452		F	J1123	
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS										FILE IDENT		DATE	PAGE	
TSQ3MTSL												TSQ3MTSL		09-01-82	55	
RECORD NUMBER	TEST FROM PREFIX CONNECTOR PIN	TEST TO PREFIX CONNECTOR PIN	WIRE MULTICOR CODE COLOR IDENT	SPEC INST	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO	
00264	J1123 77									R05						
00265	J1123 78									R05						
00266	J1123 79									R05						
00267	J1123 80									R05						

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Table with columns: RECORD NUMBER, FROM (PREFIX, CONNECTOR, PIN), TO (PREFIX, CONNECTOR, PIN), WIRE (MULTI, CODE, COLOR, IDENT), SIGNAL, SEQ NO, EQUATION, TERM, FACTOR, CKT OR CHIP TYPE, GROUP, LOAD OR POWER PLANE, TEST POINTS, SIGNAL DESCRIPTION, ECO NO. Includes drawing number WL10281452, connector name CARD CAGE WIRED LH MTS, and unit assembly name TSQ3MTSL.

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1124**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **58**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTORY	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	IS	PREFIX	CONNECTOR	PIN	IS	MULTI GROUP	CODE	COLOR	IDENT											
00288		J1124	77										DNW	01									
00289		J1124	78										DNW	01									
00290		J1124	79										DNW	01									
00291		J1124	80										DNW	01									

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DRAWING NUMBER		WL10281452		CONNECTOR										UNIT ASSEMBLY NO.		10281452		REV F		INDEX		J1125			
UNIT ASSEMBLY NAME		CARD CAGE WIRED LH MTS												FILE IDENT		TSQ3MTSL		DATE		09-01-82		PAGE		60	
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	PCB	PREFIX	CONNECTOR	PIN	SH TO	MULTI GROUP	CODE	COLOR	IDENT												IPC INST. MISC	
01283	J1125	49		J1115	66					16B	9		HBFBCAV	05	HBMV85U	01	1	DBC	D5		24B				
02428	J1125	5T											SPA	01	HBKA15T	01	1	DBC	A6						
03956	J1125	5T											SPA	01	HBCWM5T	01	1	DBC	B6						
02742	J1125	50		J1129	63					16B	9		SPI006	07	HBCTD1U	01	5	DBC	C1		24A				
02948	J1125	51		J1115	69					16B	9		HBVCP0	00C	HBMV82U	01	1	DBC	D2		25B		A01		
01772	J1125	52		J1115	79					16B	9		HBMV85U	01	HBMV85U	00	1	DBC	D5		25A				
01738	J1125	53		J1118	38					16B	9		HBMVA1V1	01	HBMV81U	01	1	DBC	D1		26B				
01762	J1125	54								16B	9		HBMV81U	03	HBMV81U	00	1	DBC	D1		26A				
01741	J1125	55		J1118	36					16B	9		HBMVA2V1	01	HBMV81U	01	2	DBC	D1		27B				
01765	J1125	56								16B	9		HBMV82U	03	HBMV82U	00	1	DBC	D2		28B				
01744	J1125	57		J1118	35					16B	9		HBMVA3V1	01	HBMV81U	01	3	DBC	D1		29B				
00497	J1125	58											GND	01				DBC							
01747	J1125	59		J1118	37					16B	9		HBMVA4V1	01	HBMV81U	01	4	DBC	D1		30B				
02629	J1125	6T											SPA	01	HBKA16T	01	1	DBC	A7						
03957	J1125	6T											SPA	01	HBCWM6T	01	1	DBC	B7						
01768	J1125	60								16B	9		HBMV83U	03	HBMV83U	00	1	DBC	D3		28A				
02866	J1125	61		J1125	73					16B	9		SPI016	09	HBMV83U	01	1	DBC	D3		31B				
01771	J1125	62								16B	9		HBMV84U	03	HBMV84U	00	1	DBC	D4		29A				
01780	J1125	63		J1115	80					16B	9		HBMVLA	01	HBMV81U	01	5	DBC	D1		31A				
02916	J1125	64		J1115	57					16B	9		SPI017	18	HBMV84U	01	1	DBC	D4		30A				
00293	J1125	65											DNN	01				DBC							
01336	J1125	66		J1108	66					16B	9		HBFBKAV	09	HBCG85U	01	1	DBC	E5		32B				
00498	J1125	67											GND	01				DBC							
00849	J1125	68		J1113	53					16B	9		HBCG85U	01	HBCG85U	00	1	DBC	E5		33A				
00861	J1125	69		J1108	69					16B	9		HBCG20	01	HBCG82U	01	1	DBC	E2		32A				
02630	J1125	7T											SPA	01	HBKA17T	01	1	DBC	A8						
03958	J1125	7T											SPA	01	HBCWM7T	01	1	DBC	B8						
03877	J1125	70										M	HBCG81U	01	HBCG81U	00	1	DBC	E1		34A				
02947	J1125	71		J1125	39					16B	9		SPI018	18	HBCG81U	01	1	DBC	E1		35B		A01		
03878	J1125	72										M	HBCG82U	01	HBCG82U	00	1	DBC	E2		35A				
02867	J1125	73		J1114	48					16B	9		SPI016	10	HBCG81U	01	2	DBC	E1		34B		C01		
03879	J1125	74										M	HBCG83U	01	HBCG83U	00	1	DBC	E3		36A				
01373	J1125	75		J1141	30					16B	9		HBCG30V	08	HBCG81U	01	3	DBC	E1		35B				
03880	J1125	76										M	HBCG84U	01	HBCG84U	00	1	DBC	E4		37A				
02915	J1125	77		J1125	64					16B	9		SPI017	17	HBCG81U	01	4	DBC	E1		36B				
02811	J1125	78		J1113	75					16B	9		HBCS2A	005	HBCG84U	01	1	DBC	E4		38A		E03		
00846	J1125	79		J1113	55					16B	9		HBCG85U	01	HBCG83U	01	1	DBC	E3		37B				
02631	J1125	8T											SPA	01	HBKA18T	01	1	DBC	A9						
03959	J1125	8T											SPA	01	HBCWM8T	01	1	DBC	B9						
00845	J1125	80								16B	9		HBCCTQ	07	HBCG81U	01	5	DBC	E1		38B				
02632	J1125	9T											SPA	01	HBKA19T	01	1	DBC	A0						
03960	J1125	9T											SPA	01	HBCWM9T	01	1	DBC	B0						

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1126**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **62**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SER NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	DEL	PREFIX	CONNECTOR	PIN	DEL	MULTI GROUP	CODE	COLOR	IDENT											
01449		J1126	51							168	9		HBJACO	02	HBJACO	00	1	TT3	D3	27B			
02489		J1126	52			J1110	09			168	9		H85000V	04	HBKALA	01	1	TT3	D1	24A			
00997		J1126	53							168	9		HBCSMS	03	HBCSMR	01	1	TT3	E2	28B			
01984		J1126	54							168	9		HBST8Q	03	HBKALA	01	2	TT3	D1	25A			
00994		J1126	55							168	9		HBCSMR	02	HBCSMR	00	1	TT3	E2	29B			
02535		J1126	56			J1135	46			168	9		SPI018	38	HBKALA	01	3	TT3	D1	26A		C06	
02551		J1126	57			J1127	36			168	9		H8B31S	04	H8B05A	01	1	TT3	E3	30B		C01	
00503		J1126	58										GND	01				TT3		40B			
02565		J1126	59							168	9		H8B33Q	04	H8B05A	01	2	TT3	E3	31B		C01	
01902		J1126	60							168	9		HBJAGAV	03	HBCSMR	01	2	TT3	E2	28A		C06	
02478		J1126	61			J1126	75			168	9		H8B87P	04	H8B05A	01	3	TT3	E3	32B		C01	
01282		J1126	62			J1127	40			168	9		HBCTRAV	00	HBCSMR	01	3	TT3	E2	29A		C01	
00617		J1126	63							168	9		H8B05A	02	H8B05A	00	1	TT3	E3	33B			
01004		J1126	64							168	9		HBCSTR	02	HBCSTR	00	1	TT3	E1	30A			
02472		J1126	65			J1127	34			168	9		H820AAV	02	H8B08A	01	1	TT3	F2	34B			
01008		J1126	66							168	9		HBCSTS	04	HBCSTR	01	1	TT3	E1	31A			
00504		J1126	67										GND	01				TT3					
00974		J1126	68			J1116	65			168	9		SPI018	06	HBCSTR	01	2	TT3	E1	32A		C02	
02550		J1126	69			J1126	57			168	9		H8B31S	03	H8B09A	01	1	TT3	F3	35A		C01	
01281		J1126	70			J1125	49			168	9		H8FB8CAV	03	HBCSTR	01	3	TT3	E1	33A		C01	
02545		J1126	71			J1137	78			168	9		H8B29S	05	H8B08A	01	2	TT3	F2	36A		C01	
02481		J1126	72							168	9		H8B87P	07	H8B08A	01	3	TT3	F2	34A		C01	
00619		J1126	73							168	9		H8B06A	02	H8B06A	00	1	TT3	F1	36B			
00623		J1126	74							168	9		H8B08A	02	H8B08A	00	1	TT3	F2	35B			
02479		J1126	75			J1126	78			168	9		H8B87P	05	H8B06A	01	1	TT3	F1	37B		C01	
02569		J1126	76							168	9		H8B35Q	04	H8B09A	01	2	TT3	F3	37A		C01	
02541		J1126	77							168	9		H8B27S	05	H8B06A	01	2	TT3	F1	38B		C01	
02480		J1126	78			J1126	72			168	9		H8B87P	06	H8B09A	01	3	TT3	F3	38A		C01	
02471		J1126	79			J1126	65			168	9		H820AAV	01	H8B06A	01	3	TT3	F1	39B			
00625		J1126	80							168	9		H8B09A	02	H8B09A	00	1	TT3	F3	39A			

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	CASE	PREFIX	CONNECTOR	PIN	CASE	MULTI GROUP	CODE	COLOR	IDENT											
01515 00505	J1127	01			J1127	02				16B	9		HBJ070V GND	02 01	HBJ070V	00	1	THI	A4		02B 01A		
01654 01575	J1127	03 04			J1122	45 05				16B 16B	9 9		HBK070V HBKA17T	01 01	HBK070V	00	1	THI	A3		03A 02A		
01576 01569	J1127	05 06			J1125	11 11				16B 16B	9 9		HBKA17T HBKA15T	02 01	HBJ070V HBJ050V	01 01	1	THI	A4 A2		03B 05A		
01385 01511	J1127	07 08								16B 16B	9 9		HBHAA0V HBJ050V	00 02	HBHAA0V HBJ050V	00 00	1	THI	A5 A2		04B 04A		
01382 01389	J1127	09 10			J1114	05				16B 16B	9 9		HBHAAER HBHAB0V	01 02	HBHAA0V HBHAB0V	01 00	1	THI	A5 A6		05B 06B	801	
01570 00077	J1127	11 12			J1125	07				16B	9		HBKA15T +5V	02 01	HBK050V	01	1	THI	A1		07A		
01644 01405	J1127	13 14			J1123	63				16B 16B	9 9		HBK050V HBHAF0V	01 02	HBK050V	00	1	THI	A1 B4		06A 08B		
01386 00506	J1127	15 16			J1114	11				16B	9		HBHABER GND	01 01	HBHAB0V	01	1	THI	A6		07B 20B	801	
01402 01401	J1127	17 18			J1114	27				16B 16B	9 9		HBHAFER HBHAE0V	01 02	HBHAF0V	01	1	THI	B4 B3		09B 09A	801	
00608 01398	J1127	19 20			J1114	19				16B 16B	9 9		HBBO1AV HBHAEER	02 01	HBBO1AV	00	1	THI	B5 B3		10B 10A	801	
02540 01390	J1127	21 22			J1126	77 13				16B 16B	9 9		HBBO27S HBHACER	04 01	HBBO1AV	01	1	THI	B5 B1		11B 14A	C01	
01394 01393	J1127	23 24			J1114	08				16B 16B	9 9		HBHADER HBHAC0V	01 02	HBHAD0V	01	1	THI	B2 B1		12A 13A		
01397 00613	J1127	25 26								16B 16B	9 9		HBHAD0V HBBO3AV	02 02	HBHAD0V	00	1	THI	B2 B6		11A 12B		
02544 00078	J1127	27 28			J1126	71				16B	9		HBBO29S +5V	04 01	HBBO3AV	01	1	THI	B6		13B	C01	
02564 00627	J1127	29 30			J1126	59				16B 16B	9 9		HBBO33Q HBBO10AV	03 02	HBBO10AV	01	1	THI	C4 C4		15B 14B	C01	
00632 00507	J1127	31 32								16B	9		HBBO12AV GND	02 01	HBBO12AV	00	1	THI	C5		16B 21B		
02568 02473	J1127	33 34			J1126	76 08				16B 16B	9 9		HBBO35Q HBBOA0V	03 03	HBBO12AV	01	1	THI	C5 C3		17B 15A	C01	
02482 02552	J1127	35 36			J1128	26 20				16B 16B	9 9		HBBO180V HBBO31S	01 05	HBBO18AV	01	1	THI	C2 C3		18A 16A	C01	
02477 01035	J1127	37 38			J1117	64				16B 16B	9 9		HBBO18AV HBST7P	01 05	HBBO18AV	00	1	THI	C2 C1		17A 20A	C01 C01	
01931 01031	J1127	39 40			J1117	53 35				16B 16B	9 9		HBST1AV HBCTRAV	03 01	HBST10V	01	1	THI	C6 C1		19B 19A	E08	
02219 03915	J1127	41 42			J1128	34 17				16B 16B	9 9		HBWACA HBST10V	01 01	HBWAP0V	01	1	THI	D4 C6		23B 18B	END ST1 601	
03928 00508	J1127	43 44			J1145	69				16B	9		HBJAR0V GND	01 01	HBJAR0V	00	1	THI	D5		24B 27A	A01 D02	
02223 02254	J1127	45 46			J1118	76 24				16B 16B	9 9		HBJAR0V HBWAP0V	02 01	HBJAR0V	01	1	THI	D5 D4		25B 22B	002 (102-MEM)	
02214 02252	J1127	47 48			J1113	15 11				16B 16B	9 9		HBWAAA HBWAN0V	01 01	HBWAN0V	01	1	THI	D2 D3		24A 21A		
02250 02216	J1127	49 50			J1117	04 36				16B 16B	9 9		HBWAN0V HBWABA	01 01	HBWAN0V	00	1	THI	D2 D3		23A 22A	(101-TJK)	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1127**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **64**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT											
02225		J1127	51		J1113	27				168	9		HBWAEA	01	HBWASOV	01	1	THI	D6	27B			
01414		J1127	52		J1103	78				168	9		HBWATA	02	HBHAI0V	01	1	THI	D1	26A			
02258		J1127	53		J1117	40				168	9		HBWASOV	01	HBWASOV	00	1	THI	D6	26B	602		
01417		J1127	54		J1117	40				168	9		HBHAI0V	02	HBHAI0V	00	1	THI	D1	25A	ADV IC CTR		
02234		J1127	55		J1113	39				168	9		HBWATA	01	HBWAXOV	01	1	THI	E4	29B		802	
02270		J1127	56		J1109	22				168	9		HBWAXOV	01	HBWAXOV	00	1	THI	E4	28B	(106-TLD)		
02300		J1127	57							168	9		HBWBAOV	03	HBWBAOV	00	1	THI	E5	30B	107		
00509		J1127	58										GND	01				THI		40A			
02241		J1127	59		J1113	52				168	9		HBWAJA	03	HBWBAOV	01	1	THI	E5	31B			
02268		J1127	60		J1117	03				168	9		HBWANOV	03	HBWANOV	00	1	THI	E3	28A	(707-SR)		
02230		J1127	61		J1113	30				168	9		HBWAGA	01	HBWAVOV	01	1	THI	E2	31A			
02232		J1127	62		J1113	33				168	9		HBWAHA	01	HBWANOV	01	1	THI	E3	29A			
02264		J1127	63		J1117	08				168	9		HBWAVOV	01	HBWAVOV	00	1	THI	E2	30A	(105-TDD)		
02227		J1127	64		J1128	31				168	9		HBWAFV	01	HBWATOV	01	1	THI	E1	33A			
02245		J1127	65		J1128	37				168	9		HBWAKA	02	HBWBBOV	01	1	THI	E6	33B			
02260		J1127	66		J1117	17				168	9		HBWATOV	01	HBWATOV	00	1	THI	E1	32A	606		
00510		J1127	67										GND	01				THI					
02302		J1127	68							168	9		HBWBBOV	02	HBWBBOV	00	1	THI	E6	32B	124		
02031		J1127	69		J1114	22				168	9		HBTEBR	01	HBWBBOV	01	1	THI	F3	35B			
01886		J1127	70							168	9		HBWBBOV	02	HBWBBOV	00	1	THI	F3	34B			
01884		J1127	71							168	9		HBWBBOV	02	HBWBBOV	00	1	THI	F2	36B			
01888		J1127	72							168	9		HBWBBOV	02	HBWBBOV	00	1	THI	F4	34A			
02029		J1127	73		J1114	25				168	9		HBTEAR	01	HBWBBOV	01	1	THI	F2	37B			
02033		J1127	74		J1114	33				168	9		HBTECR	01	HBWBBOV	01	1	THI	F4	35A		801	
02037		J1127	75		J1114	42				168	9		HBTEER	01	HBWBBOV	01	1	THI	F6	39A			
02035		J1127	76		J1114	39				168	9		HBTEER	01	HBWBBOV	01	1	THI	F5	37A		801	
01892		J1127	77							168	9		HBWBBOV	02	HBWBBOV	00	1	THI	F6	38A			
01890		J1127	78							168	9		HBWBBOV	02	HBWBBOV	00	1	THI	F5	36A			
01666		J1127	79							168	9		HBCK70V	02	HBCK70V	01	1	THI	F1	39B		803	
01664		J1127	80		J1134	76				168	9		HBCK70V	01	HBCK70V	00	1	THI	F1	38B		803	

2-2070-1

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1128**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **66**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERMIN	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	SH PC	PREFIX	CONNECTOR	PIN	SH PC	MULTI GROUP	CODE	COLOR	IDENT											
02108	J1128	51		J1116	20				168	9			HBTFA	01	HBTFA	00	1	TQ2	04		27B	B02	
01460	J1128	52		J1141	52				168	9			HBJPWO	01	HBJPWO	00	1	TQ2	01		24A	B02	
01037	J1128	53							168	9			HBCYSA	02	HBCYSA	01	1	TQ2	E3		28B	C01	
01463	J1128	54							168	9			HBJPSA	02	HBJPWO	01	1	TQ2	01		25A	B02	
01003	J1128	55		J1126	64				168	9			HBCSTR	01	HBCSTS	01	2	TQ2	E3		29B		
01467	J1128	56							168	9			HBSAJA	04	HBJPWO	01	2	TQ2	01		26A	B02	
01007	J1128	57		J1126	66				168	9			HBCSTS	03	HBCSTS	00	1	TQ2	E3		30B		
00515	J1128	58											GND	01				TQ2			27A		
02966	J1128	59							168	9			HBFRAA	02	HBFRAA	01	1	TQ2	E4		31B	B04	
01034	J1128	60		J1106	05				168	9			HBJBCA	01	HBJBCA	00	1	TQ2	E2		28A	C01	
02994	J1128	61		J1126	68				168	9			SP1018	04	HBFRAA	01	2	TQ2	E4		32B	C05	
01038	J1128	62		J1126	51				168	9			HBJACO	01	HBJBCA	01	1	TQ2	E2		29A	C01	
03801	J1128	63		J1117	59				168	9			HBFRAA	01	HBFRAA	00	1	TQ2	E4		33B	B04	
01280	J1128	64		J1140	21				168	9			HBCR1P	01	HBJBCA	01	2	TQ2	E2		30A	C01	
02965	J1128	65		J1116	74				168	9			HCO1B01	02	HBB29A	01	1	TQ2	F3		34B	C01	
00653	J1128	66		J1113	61				168	9			HBCASA	01	HBCASA	00	1	TQ2	E1		31A	C01	
00516	J1128	67											GND	01				TQ2			40A		
00596	J1128	68							168	9			HAFTBQ	02	HBCASA	01	1	TQ2	E1		32A	C02	
03802	J1128	69		J1103	29				168	9			HBB29A	01	HBB29A	00	1	TQ2	F3		35A	C01	
00996	J1128	70		J1126	53				168	9			HBCSMS	02	HBCASA	01	2	TQ2	E1		33A		
02964	J1128	71		J1134	46				168	9			HBS2A0	01	HBS2BA	01	1	TQ2	F2		36A	C06	
03803	J1128	72		J1134	36				168	9			HBS2BA	01	HBS2BA	00	1	TQ2	F2		34A	C06	
02992	J1128	73		J1104	62				168	9			HBEVS0	03	HBS2BA	01	2	TQ2	F2		36B	C06	
02991	J1128	74		J1117	56				168	9			HBB37AV	02	HBB29A	01	2	TQ2	F3		35B	C01	
03804	J1128	75							168	9			HBSB90	02	HBSB90	00	1	TQ2	F1		37B	C06	
02962	J1128	76		J1128	74				168	9			HBB37AV	01	HBB30A	01	1	TQ2	F4		37A	C01	
02963	J1128	77		J1118	78				168	9			HCO101	02	HBSB90	01	1	TQ2	F1		38B	C06	
02990	J1128	78							168	9			HBB400V	02	HBB30A	01	2	TQ2	F4		38A	C01	
02993	J1128	79							168	9			HBSB7A	02	HBSB90	01	2	TQ2	F1		39B	C06	
03805	J1128	80		J1109	30				168	9			HBB30A	01	HBB30A	00	1	TQ2	F4		39A	C01	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F**
 DATE **09-01-82**

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	U A	PREFIX	CONNECTOR	PIN	U A	MULTI GROUP	CODE	COLOR	IDENT											
03284		J1129	01										SPP	01				RR4					
03285		J1129	02										GND	01				RR4					
03941		J1129	02		J1129	06				168	9		G12902	01				RR4					
03286		J1129	03		J1118	04				180	2		+05RES	32				RR4	AP				A01
03287		J1129	04		J1129	03				180	2		+05RES	31				RR4	AP				A01
03288		J1129	05		J1130	24				168	9		SPI021	04				RR4	A3				C01
03289		J1129	06		J1129	18				168	9		G12902	02				RR4	AC				
03290		J1129	07										SPP	01				RR4	A4				
03291		J1129	08		J1145	01				168	9		WB10704	01				RR4	A1				A01
03292		J1129	09										SPP	01				RR4	A5				
03293		J1129	10										SPP	01				RR4	A2				
03294		J1129	11										SPP	01				RR4					
03295		J1129	12										+5V	01				RR4					
03296		J1129	13		J1129	04				180	2		+05RES	30				RR4	BP				A01
03297		J1129	14		J1129	13				180	2		+05RES	29				RR4	BP				A01
03298		J1129	15										KEY	01				RR4					
03299		J1129	16										KEY	01				RR4					
03300		J1129	17		J1126	30				168	9		SPI016	01				RR4	B4				B03
03301		J1129	18							168	9		G12902	03				RR4	BC				
03302		J1129	19		J1126	37				168	9		SPI017	095				RR4	B5				B03
03303		J1129	20										SPP	01				RR4	B1				
03304		J1129	21		J1129	14				180	2		+05RES	28				RR4	CP				A01
03305		J1129	22		J1129	21				180	2		+05RES	27				RR4	CP				A01
03306		J1129	23										SPP	01				RR4	C3				
03307		J1129	24										SPR	00				RR4	B3				C01
03308		J1129	25										SPP	01				RR4	C4				
03309		J1129	26										SPR	01				RR4	B2				B02
03310		J1129	27										SPP	01				RR4					
03311		J1129	28										+5V	01				RR4					
03312		J1129	29										SPP	01				RR4	C5				
03313		J1129	30							168	9		G12932	02				RR4	CC				
03314		J1129	31										SPP	01				RR4					
03315		J1129	32										GND	01				RR4					
03942		J1129	32		J1129	30				168	9		G12932	01				RR4					
03316		J1129	33		J1129	22				180	2		+05RES	26				RR4	DP				A01
03317		J1129	34		J1129	33				180	2		+05RES	25				RR4	DP				A01
03318		J1129	35										SPP	01				RR4	03				
03319		J1129	36										SPP	01				RR4	C1				
03320		J1129	37										SPP	01				RR4	D4				
03321		J1129	38										SPP	01				RR4	C2				
03322		J1129	39										SPP	01				RR4	D5				
03323		J1129	40		J1129	54				168	9		G12944	02				RR4	DC				
03324		J1129	41		J1132	42				168	9		SPI020	041				RR4	E5				
03325		J1129	42										SPP	01				RR4	01				
03326		J1129	43										SPP	01				RR4					
03327		J1129	44										GND	01				RR4					
03943		J1129	44		J1129	40				168	9		G12944	01				RR4					
03328		J1129	45										SPP	01				RR4	E4				
03329		J1129	46										SPP	01				RR4	D2				
03330		J1129	47										SPP	01				RR4	E3				
CONNECTOR (J1129) CONTINUED ON THE NEXT PAGE ****																							

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1129**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **68**

RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	SIZE	MULTI GROUP	CODE	COLOR											
03331		J1129	48		J1130	65			168	9		SPI019	271			RR4	E2				
03332		J1129	49		J1129	34			180	2		+05RES	24			RR4	EP				A01
03333		J1129	50		J1129	49			180	2		+05RES	23			RR4	EP				A01
03334		J1129	51						168	9		SPI015	41			RR4	F5				
03335		J1129	52		J1126	56			168	9		SPI018	37			RR4	E1				B04
03336		J1129	53		J1140	39			168	9		SPI014	121			RR4	F4				C01
03337		J1129	54						168	9		G12944	03			RR4	EC				
03338		J1129	55						168	9		SPI013	08			RR4	F3				
03339		J1129	56						168	9		SPI012	09			RR4	F2				
03340		J1129	57								KEY	01				RR4					
03341		J1129	58								KEY	01				RR4					
03342		J1129	59		J1129	50			180	2		+05RES	22			RR4	FP				A01
03343		J1129	60		J1129	59			180	2		+05RES	21			RR4	FP				A01
03344		J1129	61		J1140	03			168	9		SPI007	061			RR4	G5				B04
03345		J1129	62						168	9		SPI011	09			RR4	F1				
03346		J1129	63						168	9		SP1006	071			RR4	G4				B04
03347		J1129	64		J1129	74			168	9		G12967	02			RR4	FC				
03348		J1129	65						168	9		SPI010	09			RR4	G3				
03349		J1129	66		J1135	56			168	9		SPI008	06			RR4	G2				B04
03350		J1129	67								GND	01				RR4					
03944		J1129	67		J1129	64			168	9		G12967	01			RR4					
03351		J1129	68								SPP	01				RR4					
03352		J1129	69		J1129	60			180	2		+05RES	20			RR4	GP				A01
03353		J1129	70		J1129	69			180	2		+05RES	19			RR4	GP				A01
03354		J1129	71		J1105	80			168	9		SPI003	01			RR4	H5				
03355		J1129	72		J1103	43			168	9		SPI001	01			RR4	G1				C01
03356		J1129	73						168	9		SPI002	08			RR4	H4				
03357		J1129	74		J1129	77			168	9		G12967	03			RR4	GC				
03358		J1129	75						168	9		SPI004	06			RR4	H3				
03359		J1129	76						168	9		SPI005	09			RR4	H2				
03360		J1129	77						168	9		G12967	04			RR4	HC				
03361		J1129	78		J1140	29			168	9		SPI009	031			RR4	H1				B04
03362		J1129	79		J1129	70			180	2		+05RES	18			RR4	HP				A01
03363		J1129	80		J1129	79			180	2		+05RES	17			RR4	HP				A01

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1130**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **70**

RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	EN TO	MULTI GROUP	CODE	COLOR											
02959	J1130	51		J1130	63			168	9		SPI018	30	HBST3Q	01	1	TDD	CQ	27B			
01856	J1130	52		J1130	63			168	9		HBR53AV	02	HBST3P	01	1	TDD	GP	24A			
02972	J1130	53		J1140	53			168	9		SPI019	05	HBST9Q	01	1	TDD	KQ	28B		C01	
01940	J1130	54		J1140	53			168	9		HBST2Q	02	HBST3I	01	1	TDD	GI	25A			
01991	J1130	55		J1135	36			168	9		HBST9Q	02	HBST9Q	00	1	TDD	KQ	29B			
01533	J1130	56		J1135	36			168	9		HBKAPA	02	HBST3N	01	1	TDD	GN	26A			
01989	J1130	57		J1132	68			168	9		HBST9P	05	HBST9P	00	1	TDD	KP	30B		804	
00521	J1130	58		J1132	68			168	9		GND	01				TDD		40A			
01974	J1130	59		J1132	64			168	9		HBST7P	03	HBST7P	00	1	TDD	JP	31B		804	
01539	J1130	60		J1126	50			168	9		HBKALA	01	HBST9N	01	1	TDD	KN	28A			
01976	J1130	61		J1112	45			168	9		HBST7Q	02	HBST7Q	00	1	TDD	JQ	32B			
01983	J1130	62		J1112	45			168	9		HCP5L0	02	HBST9I	01	1	TDD	KI	29A		804	
02960	J1130	63		J1130	73			168	9		SPI018	31	HBST7Q	01	1	TDD	JO	33B			
01880	J1130	64		J1130	73			168	9		HBR59AV	02	HBST9P	01	1	TDD	KP	30A			
02995	J1130	65		J1132	22			168	9		SPI019	28	HB5A1Q	01	1	TDD	MQ	34B		C01	
01872	J1130	66		J1132	22			168	9		HBR57AV	02	HBST7P	01	1	TDD	JP	31A			
00522	J1130	67		J1132	22			168	9		GND	01				TDD		40B			
01971	J1130	68		J1132	22			168	9		HCP5M0	02	HBST7I	01	1	TDD	JI	32A		804	
01911	J1130	69		J1110	66			168	9		HB5A1P	01	HB5A1P	00	1	TDD	MP	35A	(FUNCTION TEST)*		
01538	J1130	70		J1110	66			168	9		HBKAKA	02	HBST7N	01	1	TDD	JN	33A			
01905	J1130	71		J1105	70			168	9		HBRW30V	09	HB5A1I	01	1	TDD	NI	36A		801	
02147	J1130	72		J1105	70			168	9		HBT1COV	03	HB5A1N	01	1	TDD	MN	34A			
02961	J1130	73		J1129	52			168	9		SPI018	32	HB5A1P	01	1	TDD	MP	36B		C06	
01914	J1130	74		J1110	50			168	9		HB5A1Q	01	HB5A1Q	00	1	TDD	MQ	35B			
01938	J1130	75		J1117	55			168	9		HBST2P	04	HBST1P	01	1	TDD	LP	37B		804	
01930	J1130	76		J1117	55			168	9		HBST1P	02	HBST1P	00	1	TDD	LP	37A		E08	
01928	J1130	77		J1107	69			168	9		HBK3AV	02	HBST1I	01	1	TDD	LI	38B		C06	
01934	J1130	78		J1107	69			168	9		HBST1Q	03	HBST1Q	00	1	TDD	LQ	38A		C06	
01532	J1130	79		J1107	69			168	9		HCI0SP	03	HBST1N	01	1	TDD	LN	39B		C06	
01846	J1130	80		J1107	69			168	9		HBS89A	02	HBST1Q	01	1	TDD	LQ	39A		C06	

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV DATE		INDEX PAGE		TEST POINTS AND/OR		SIGNAL DESCRIPTION		ECO NO
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		F 09-01-82		J1131 71						
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT												
00294	J1131	01										DNW	01									
00523	J1131	02										GND	01									
00295	J1131	03										DNW	01									
00296	J1131	04										DNW	01									
00297	J1131	05										DNW	01									
00298	J1131	06										DNW	01									
00299	J1131	07										DNW	01									
00300	J1131	08										DNW	01									
00301	J1131	09										DNW	01									
00302	J1131	10										DNW	01									
00303	J1131	11										DNW	01									
00083	J1131	12										+5V	01									
00896	J1131	13		J1108	04			168	9			HBC1081	06	HBHB11V101	1	R05	A1					
00304	J1131	14										DNW	01									
01419	J1131	15		J1136	35			168	9			HBHB11V1	02	HBHB11V100	1	R05	A1		T01			
00524	J1131	16										GND	01									
00905	J1131	17		J1111	39			168	9			HBC1181	06	HBHB12V101	1	R05	A2					
01422	J1131	18		J1136	37			168	9			HBHB12V1	02	HBHB12V100	1	R05	A2		T02			
00914	J1131	19		J1137	21			168	9			HBC1281	06	HBHB13V101	1	R05	A3					
01425	J1131	20		J1136	39			168	9			HBHB13V1	02	HBHB13V100	1	R05	A3		T03			
01822	J1131	21		J1131	23			168	9			HBRM10V	02	HBHB17V101	1	R05	A7					
01428	J1131	22		J1136	40			168	9			HBHB14V1	02	HBHB14V100	1	R05	A4		T04			
01823	J1131	23		J1131	65			168	9			HBRM10V	03	HBHB18V101	1	R05	A8					
01431	J1131	24		J1136	42			168	9			HBHB15V1	02	HBHB15V100	1	R05	A5		T05			
00922	J1131	25		J1131	69			168	9			HBC1381	05	HBHB14V101	1	R05	A4					
01434	J1131	26		J1136	46			168	9			HBHB16V1	02	HBHB16V100	1	R05	A6		T06			
00931	J1131	27		J1131	71			168	9			HBC1481	05	HBHB15V101	1	R05	A5					
00084	J1131	28										+5V	01									
01436	J1131	29		J1136	41			168	9			HBHB17V1	01	HBHB17V100	1	R05	A7		T07			
00305	J1131	30										DNW	01									
00940	J1131	31		J1131	73			168	9			HBC1581	05	HBHB16V101	1	R05	A6					
00525	J1131	32										GND	01									
00306	J1131	33										DNW	01									
01438	J1131	34		J1136	45			168	9			HBHB18V1	01	HBHB18V100	1	R05	A8		T08			
00307	J1131	35										DNW	01									
00308	J1131	36										DNW	01									
00641	J1131	37		J1128	06			168	9			HBB210	01	HBC1D1V	01	R05	B1					
00877	J1131	38									J	HBC1D1V	01	HBC1D1V	00	R05	B1		T09	HBBC1081	BUSS	
00895	J1131	38		J1131	13			168	9		P	HBC1D1V	05	HBC1081	01	R05	B1		T09			
00643	J1131	39		J1128	01			168	9			HBB220	01	HBC1D2V	01	R05	B2					
00878	J1131	40									J	HBC1D2V	01	HBC1D2V	00	R05	B2		T10	HBBC1181	BUSS	
00904	J1131	40		J1131	17			168	9		P	HBC1D2V	05	HBC1181	01	R05	B2		T10			
00646	J1131	41						168	9			HBB230	02	HBC1D3V	01	R05	B3					
00879	J1131	42									J	HBC1D3V	01	HBC1D3V	00	R05	B3		T11	HBBC1281	BUSS	
00913	J1131	42		J1131	19			168	9		P	HBC1D3V	05	HBC1281	01	R05	B3		T11			
00309	J1131	43										DNW	01									
00526	J1131	44										GND	01									
01612	J1131	45		J1131	47			168	9			HBKC1Q	08	HBC1D7V101	1	R05	B7					
00880	J1131	46									J	HBC1D4V	01	HBC1D4V	00	R05	B4		T12	HBBC1381	BUSS	
00921	J1131	46		J1131	25			168	9		P	HBC1D4V	04	HBC1381	01	R05	B4		T12			
CONNECTOR	J1131	CONTINUED ON THE NEXT PAGE ****																				

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F** INDEX **J1131**
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RECORD NUMBER	FROM			TO			WIRE				SECURITY MARK	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT												
01613	J1131	47		J1106	61			16B	9			H8KC1Q	09	HBCID8V1	01	1	R05	B8				
00881	J1131	48									J	HBCID5V	01	HBCID5V	00	1	R05	B5	T13	HBCI481	BUSS	
00930	J1131	48		J1131	27			16B	9			HBCID5V	04	HBCI481	01	1	R05	B5				
00648	J1131	49						16B	9			H8B240	02	HBCID4V	01	1	R05	B4				
00882	J1131	50									J	HBCID6V	01	HBCID6V	00	1	R05	B6	T14	HBCI581	BUSS	
00939	J1131	50		J1131	31			16B	9		P	HBCID6V	04	HBCI581	01	1	R05	B6	T14			
00649	J1131	51		J1128	09			16B	9			H8B250	01	HBCID5V	01	1	R05	B5				
00886	J1131	52		J1126	09			16B	9			HBCID7V1	09	HBCID7V1	00	1	R05	B7	T15		C01	
00651	J1131	53		J1128	15			16B	9			H8B260	01	HBCID6V	01	1	R05	B6				
00889	J1131	54		J1136	62			16B	9			HBCID8V1	02	HBCID8V1	00	1	R05	B8	T16			
00310	J1131	55										DNW	01				R05					
00311	J1131	56										DNW	01				R05					
00312	J1131	57										DNW	01				R05					
00527	J1131	58										GND	01				R05					
00903	J1131	59		J1131	40			16B	9			HBCI181	04	H8K812V1	01	1	R05	C2				
00894	J1131	60		J1131	38			16B	9			HBCI081	04	H8K811V1	01	1	R05	C1				
00912	J1131	61		J1131	42			16B	9			HBCI281	04	H8K813V1	01	1	R05	C3				
01582	J1131	62		J1136	64			16B	9			H8K811V1	02	H8K811V1	00	1	R05	C1	T17			
01825	J1131	63		J1104	54			16B	9			H8RM10V	05	H8K817V1	01	1	R05	C7				
01585	J1131	64		J1136	61			16B	9			H8K812V1	02	H8K812V1	00	1	R05	C2	T18			
01824	J1131	65		J1131	63			16B	9			H8RM10V	04	H8K818V1	01	1	R05	C8				
01588	J1131	66		J1136	63			16B	9			H8K813V1	02	H8K813V1	00	1	R05	C3	T19			
00528	J1131	67										GND	01				R05					
01591	J1131	68		J1136	65			16B	9			H8K814V1	02	H8K814V1	00	1	R05	C4	T21			
00923	J1131	69		J1111	69			16B	9			HBCI381	06	H8K814V1	01	1	R05	C4				
01593	J1131	70		J1136	66			16B	9			H8K815V1	01	H8K815V1	00	1	R05	C5	T20	1 CKT PER IC		
00932	J1131	71		J1111	71			16B	9			HBCI481	06	H8K815V1	01	1	R05	C5				
01596	J1131	72		J1136	72			16B	9			H8K816V1	01	H8K816V1	00	1	R05	C6	T22	2 CKT PER IC		
00941	J1131	73		J1111	73			16B	9			HBCI581	06	H8K816V1	01	1	R05	C6				
01599	J1131	74		J1136	74			16B	9			H8K817V1	01	H8K817V1	00	1	R05	C7	T23	3 CKT PER IC		
00313	J1131	75										DNW	01				R05					
01602	J1131	76		J1136	71			16B	9			H8K818V1	01	H8K818V1	00	1	R05	C8	T24	4 CKT PER IC		
00314	J1131	77										DNW	01				R05					
00315	J1131	78										DNW	01				R05					
00316	J1131	79										DNW	01				R05					
00317	J1131	80										DNW	01				R05					

DRAWING NUMBER UNIT ASSEMBLY NAME				CONNECTOR										UNIT ASSEMBLY NO. 10281452				REV F		INDEX PAGE	
WL10281452 CARD CAGE WIRED LH MTS														TSQ3MTSL				DATE		09-01-82	
RECORD NUMBER	FROM	TO	WIRE	SPEC INST	SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO						
	PREFIX	CONNECTOR	FIN	WIRE	WIRE																
02493	J1132	01																			
00529	J1132	02			168 9		HCE01A GND	02 01	HBJAAO	01 1	TS8 A1		02B 01A								
00318	J1132	03					DNW	01													
02495	J1132	04			168 9		HCE02A	02	HBJAAO	01 2	TS8 A1		04A								
02497	J1132	05			168 9		HCE03A	02	HBJAAO	01 3	TS8 A1		03B								
02499	J1132	06			168 9		HCE04A	02	HBJAAO	01 4	TS8 A1		05A								
02501	J1132	07			168 9		HCE05A	02	HBJAAO	01 5	TS8 A1		03A								
02503	J1132	08			168 9		HCE06A	02	HBJAAO	01 6	TS8 A1		06A								
00319	J1132	09					DNW	01													
02505	J1132	10			168 9		HCE07A	02	HBJAAO	01 7	TS8 A1		07A								
01443	J1132	11			168 9		HBJAAO +5V	02 01	HBJAAO	00 1	TS8 A1		05B								
02507	J1132	13			168 9		HCE08A	02	HBJAAO	01 8	TS8 A1		06B								
02509	J1132	14			168 9		HCE09A	02	HBJABO	01 1	TS8 B1		09A								
00320	J1132	15					DNW	01													
00530	J1132	16					GND	01					21B								
00321	J1132	17					DNW	01													
02511	J1132	18			168 9		HCE10A	02	HBJABO	01 2	TS8 B1		10A								
02513	J1132	19			168 9		HCE11A	02	HBJABO	01 3	TS8 B1		09B								
02515	J1132	20			168 9		HCE12A	02	HBJABO	01 4	TS8 B1		11A								
00322	J1132	21					DNW	01													
02517	J1132	22			168 9		SPIO19	29	HBJABO	01 5	TS8 B1		12A		C06						
01445	J1132	23			168 9		HBJABO	02	HBJABO	00 1	TS8 B1		11B								
02519	J1132	24	J1128	56	168 9		HBSAJA	03	HBJABO	01 6	TS8 B1		13A		C01						
02521	J1132	25			168 9		SPIO21	06	HBJABO	01 7	TS8 B1		12B		C01						
02523	J1132	26	J1130	26	168 9		SPIO16	08	HBJABO	01 8	TS8 B1		14A		C01						
00323	J1132	27					DNW	01													
00086	J1132	28					+5V	01													
00324	J1132	29					DNW	01													
01013	J1132	30	J1125	38	168 9		HBCTD1U	02	HBCTSA	01 1	TS8 C1		15A								
01019	J1132	31	J1125	42	168 9		HBCTD3U	02	HBCTSA	01 2	TS8 C1		15B								
00531	J1132	32					GND	01					27A								
00325	J1132	33					DNW	01													
01050	J1132	34	J1137	37	168 9		HBCT6AV	02	HBCTSA	01 3	TS8 C1		16A								
01036	J1132	35	J1128	53	168 9		HBCTSA	01	HBCTSA	00 1	TS8 C1		17B								
01016	J1132	36			168 9		HBCT2AV	03	HBCTSA	01 4	TS8 C1		17A		B01						
01027	J1132	37	J1115	54	168 9		HBCTE1U	02	HBCTSA	01 5	TS8 C1		18B								
01022	J1132	38	J1125	46	168 9		HBCTD4U	02	HBCTSA	01 6	TS8 C1		18A								
00326	J1132	39					DNW	01													
00989	J1132	40	J1125	37	168 9		HBCSCO	01	HBCTSA	01 7	TS8 C1		19A								
00327	J1132	41					DNW	01													
03000	J1132	42	J1135	03	168 9		SPIO20	05	HBCTSA	01 8	TS8 C1		20A		C02						
01384	J1132	43	J1127	07	168 9		HBHAAOV	01	HBHAGA	01 1	TS8 D1		23B								
00532	J1132	44					GND	01					40A								
00328	J1132	45					DNW	01													
01388	J1132	46	J1127	10	168 9		HBHABOV	01	HBHAGA	01 2	TS8 D1		21A								
01407	J1132	47			168 9		HBHAGA	02	HBHAGA	00 1	TS8 D1		25B								
01392	J1132	48	J1127	24	168 9		HBHACOV	01	HBHAGA	01 3	TS8 D1		22A								
01396	J1132	49	J1127	25	168 9		HBHADOV	01	HBHAGA	01 4	TS8 D1		26B								
01400	J1132	50	J1127	18	168 9		HBHAEOV	01	HBHAGA	01 5	TS8 D1		23A								
CONNECTOR	J1132	CONTINUED ON THE NEXT PAGE ****																			

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1132**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **74**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PLATE	PREFIX	CONNECTOR	PIN	PLATE	MULTI GROUP	CODE	COLOR	IDENT											
00329	J1132		51										DNW	01				TS8					
01404	J1132		52		J1127		14			168	9		HBHAF0V	01	HBHAGA	01	6	TS8	D1		24A		
00330	J1132		53										DNW	01				TS8					
02999	J1132		54		J1104		31			168	9		HBTE60V	00C	HBHAGA	01	7	TS8	D1		25A		B01
02998	J1132		55		J1142		48			168	9		HBST3P	0A	HBFR80	01	1	TS8	E1		29B		C06
02974	J1132		56							168	9		HBLAFO	03	HBHAGA	01	8	TS8	D1		26A		C01
00331	J1132		57										DNW	01				TS8					
00533	J1132		58										GND	01				TS8					
03806	J1132		59		J1116		69			168	9		HBFR80	01	HBFR80	00	1	TS8	E1		31B		B04
02973	J1132		60		J1134		68			168	9		HBST4P	00	HBFR80	01	2	TS8	E1		28A		B04
02900	J1132		61		J1107		21			168	9		HBST5P	06	HBFR80	01	3	TS8	E1		32B		C06
02812	J1132		62							168	9		HBST6P	05	HBFR80	01	4	TS8	E1		29A		B04
00332	J1132		63										DNW	01				TS8					
02743	J1132		64		J1127		38			168	9		HBST7P	04	HBFR80	01	5	TS8	E1		30A		C01
00333	J1132		65										DNW	01				TS8					
02750	J1132		66							168	9		HBST8P	05	HBFR80	01	6	TS8	E1		31A		B04
00534	J1132		67										GND	01				TS8					
02757	J1132		68		J1107		52			168	9		HBST9P	06	HBFR80	01	7	TS8	E1		32A		E02
00334	J1132		69										DNW	01				TS8					
02762	J1132		70							168	9		HBST0P	07	HBFR80	01	8	TS8	E1		33A		B04
01883	J1132		71		J1127		71			168	9		HBSAAAV	01	HBSA10	01	1	TS8	F1		34A		
01885	J1132		72		J1127		70			168	9		HBSABAV	01	HBSA10	01	2	TS8	F1		34A		
01887	J1132		73		J1127		72			168	9		HBSACAV	01	HBSA10	01	3	TS8	F1		36B		
01889	J1132		74		J1127		78			168	9		HBSADAV	01	HBSA10	01	4	TS8	F1		35B		
01891	J1132		75		J1127		77			168	9		HBSAEAV	01	HBSA10	01	5	TS8	F1		37B		
01900	J1132		76							168	9		HBSA10	02	HBSA10	00	1	TS8	F1		37A		
01893	J1132		77		J1112		72			168	9		HBSAFV	01	HBSA10	01	6	TS8	F1		38B		
01895	J1132		78		J1112		78			168	9		HBSAGAV	01	HBSA10	01	7	TS8	F1		38A		
01897	J1132		79		J1112		77			168	9		HBSAHAV	01	HBSA10	01	8	TS8	F1		39B		
00335	J1132		80										DNW	01				TS8					

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1133**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **76**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	S	C	K	G	L	P	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	INFO	PREFIX	CONNECTOR	PIN	INFO	MULTI GROUP	CODE	COLOR	IDENT													
01858	J1133	51			J1130	47				168	9		HBR530	02	HBR53AV	01	1	THI	D6		27B				
01942	J1133	52			J1130	47				168	9		HBST3P	02	HBST30V	01	1	THI	D1		26A				
01855	J1133	53			J1130	52				168	9		HBR53AV	01	HBR53AV	00	1	THI	D6		26B				
03917	J1133	54			J1145	11				168	9		HBST30V	01	HBST30V	00	1	THI	D1		25A	CONT TEST - ST3	A01		
01455	J1133	55			J1140	01				168	9		HBJAFO	02	HBJAGAV	01	1	THI	E4		29B		C06		
01457	J1133	56			J1126	60				168	9		HBJAGAV	02	HBJAGAV	00	1	THI	E4		28B		C06		
01453	J1133	57								168	9		HBB510V	02	HBB510V	00	1	THI	E5		30B		C06		
00539	J1133	58											GND	01				THI			40A				
01448	J1133	59			J1116	04				168	9		HBB15A	01	HBB510V	01	1	THI	E5		31B		C06		
01879	J1133	60			J1130	64				168	9		HBR59AV	01	HBR59AV	00	1	THI	E3		28A				
01874	J1133	61								168	9		HBR570	02	HBR57AV	01	1	THI	E2		31A				
01882	J1133	62								168	9		HBR590	02	HBR59AV	01	1	THI	E3		29A				
01871	J1133	63			J1130	66				168	9		HBR57AV	01	HBR57AV	00	1	THI	E2		30A				
01866	J1133	64								168	9		HBR550	02	HBR55AV	01	1	THI	E1		33A				
01572	J1133	65			J1133	39				168	9		HBKA16T	01	HBJO60V	01	1	THI	E6		33B				
01863	J1133	66			J1130	50				168	9		HBR55AV	01	HBR55AV	00	1	THI	E1		32A				
00540	J1133	67											GND	01				THI							
01513	J1133	68								168	9		HBJO60V	02	HBJO60V	00	1	THI	E6		32B				
01558	J1133	69			J1125	10				168	9		HBKA11T	02	HBKO10V	01	1	THI	F3		35B				
01624	J1133	70			J1124	47				168	9		HBKO10V	01	HBKO10V	00	1	THI	F3		34B				
01517	J1133	71								168	9		HBJO80V	02	HBJO80V	00	1	THI	F2		36B				
01503	J1133	72								168	9		HBJO10V	02	HBJO10V	00	1	THI	F4		34A				
01579	J1133	73			J1125	15				168	9		HBKA18T	02	HBJO80V	01	1	THI	F2		37B				
01557	J1133	74			J1133	69				168	9		HBKA11T	01	HBJO10V	01	1	THI	F4		35A				
01564	J1133	75			J1125	13				168	9		HBKA13T	02	HBJO30V	01	1	THI	F6		39A				
01563	J1133	76			J1133	75				168	9		HBKA13T	01	HBKO30V	01	1	THI	F5		37A				
01507	J1133	77								168	9		HBJO30V	02	HBJO30V	00	1	THI	F6		38A				
01634	J1133	78			J1123	23				168	9		HBKO30V	01	HBKO30V	00	1	THI	F5		36A				
01578	J1133	79			J1133	73				168	9		HBKA18T	01	HBKO80V	01	1	THI	F1		39B				
01659	J1133	80			J1122	65				168	9		HBKO80V	01	HBKO80V	00	1	THI	F1		38B				

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV **F** INDEX **J1134**
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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	REL	PREFIX	CONNECTOR	PIN	REL	MULTI GROUP	CODE	COLOR	IDENT										
01412	J1134	51		J1147	13				168	9			HBHAHS	03	HBHAHS	00	1	TQ2	D4	27B	CKT TEST COMP	801
01323	J1134	52							168	9			HBFBIS	03	HBFBIS	00	1	TQ2	D1	24A	SELF TEST RESTART	
01980	J1134	53		J1135	17				168	9			HBST8P	03	HBR570	01	1	TQ2	E3	28B		
01319	J1134	54		J1142	33				168	9			HBFBIR	02	HBFBIS	01	1	TQ2	D1	25A		
01844	J1134	55		J1134	61				168	9			HBR5BAV	04	HBR570	01	2	TQ2	E3	29B		
03855	J1134	56		J1136	30				168	9			WBSTRA1	01	HBFBIS	01	2	TQ2	D1	26A		
01873	J1134	57		J1133	61				168	9			HBR570	01	HBR570	00	1	TQ2	E3	30B		
00545	J1134	58											GND	01				TQ2		27A		
01923	J1134	59		J1132	70				168	9			HBSTOP	03	HBR590	01	1	TQ2	E4	31B		C06
01865	J1134	60		J1133	64				168	9			HBR550	01	HBR550	00	1	TQ2	E2	28A		
01845	J1134	61		J1126	48				168	9			HBR5BAV	05	HBR590	01	2	TQ2	E4	32B		C06
01967	J1134	62		J1134	18				168	9			HBST6P	03	HBR550	01	1	TQ2	E2	29A		
01881	J1134	63		J1133	62				168	9			HBR590	01	HBR590	00	1	TQ2	E4	33B		
01835	J1134	64		J1134	70				168	9			HBR5AAV	01	HBR550	01	2	TQ2	E2	30A		
01473	J1134	65		J1130	31				168	9			HBJAKQ	05	HBJAMO	01	1	TQ2	F3	34B		
01857	J1134	66		J1133	51				168	9			HBR530	01	HBR530	00	1	TQ2	E1	31A		
00546	J1134	67											GND	01				TQ2		40A		
01951	J1134	68		J1134	40				168	9			HBST4P	01	HBR530	01	1	TQ2	E1	32A		
01479	J1134	69							168	9			HBJAMO	03	HBJAMO	00	1	TQ2	F3	35A		
01836	J1134	70		J1141	68				168	9			HBR5AAV	02	HBR530	01	2	TQ2	E1	33A		
00876	J1134	71		J1141	71				168	9			HB5AJAV	02	HB5JPSA	01	1	TQ2	F2	36A		802
01495	J1134	72		J1128	54				168	9			HB5JPSA	01	HB5JPSA	00	1	TQ2	F2	34A		802
01472	J1134	73		J1134	65				168	9			HB5JAKQ	04	HB5JPSA	01	2	TQ2	F2	36B		
01458	J1134	74		J1134	43				168	9			HB5JHR	01	HB5JAMO	01	2	TQ2	F3	35B		
02001	J1134	75							168	9			HBS8CO	02	HBS8CO	00	1	TQ2	F1	37B		
03002	J1134	76							168	9			HBCK7OV	02	HBCKBA	01	1	TQ2	F4	37A		803
01997	J1134	77		J1132	35				168	9			HBCTSA	00	HBS8CO	01	1	TQ2	F1	38B		C01
02989	J1134	78							168	9			HBLHL0V	08	HBCKBA	01	2	TQ2	F4	38A		803
01999	J1134	79							168	9			HBS8BA	02	HBS8CO	01	2	TQ2	F1	39B		
03807	J1134	80		J1147	20				168	9			HBCKBA	01	HBCKBA	00	1	TQ2	F4	39A		803

DRAWING NUMBER		CONNECTOR										UNIT ASSEMBLY NO.		REV		INDEX								
WL10281452												10281452		F		J1135								
UNIT ASSEMBLY NAME												FILE IDENT		DATE		PAGE								
CARD CAGE WIRED LH MTS												TSQ3MTSL		09-01-82		80								
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	WIRE	WIRE	WIRE	WIRE												
03808	J1135	51											168	9	HBJAHR	03	HBJAHR	00	1	TT3	D3	27B		B02
02488	J1135	52			J1126	52							168	9	H85000V	03	HBKAKA	01	1	TT3	D1	24A		
01446	J1135	53											168	9	SPI020	35	HBFAWO	01	1	TT3	F2	28B		B02
01970	J1135	54											168	9	HBST6Q	02	HBKAKA	01	2	TT3	D1	25A		B04
01454	J1135	55			J1116	09							168	9	HBFAWO	01	HBFAWO	00	1	TT3	E2	29B	ERROR	B02
02537	J1135	56											168	9	SPI008	07	HBKAKA	01	3	TT3	D1	26A		B04
00614	J1135	57			J1128	14							168	9	HBB04A	01	HBB230	01	1	TT3	E3	30B		
00551	J1135	58													GND	01				TT3		40B		
00616	J1135	59			J1126	63							168	9	HBB05A	01	HBB230	01	2	TT3	E3	31B		
01450	J1135	60											168	9	HBFAJR	03	HBFAWO	01	2	TT3	E2	28A		B02
00618	J1135	61			J1126	73							168	9	HBB06A	01	HBB230	01	3	TT3	E3	32B		
01452	J1135	62											168	9	HBFAKR	03	HBFAWO	01	3	TT3	E2	29A		B02
00645	J1135	63			J1131	41							168	9	HBB230	01	HBB230	00	1	TT3	E3	33B		
01901	J1135	64			J1132	24							168	9	HBSAJA	01	HBSAJA	00	1	TT3	E1	30A	SELF TEST ERR	C06
00620	J1135	65											168	9	HBBA7Q	02	HBB240	01	1	TT3	F2	34B		C01
02064	J1135	66											168	9	HBCWA0V	02	HBSAJA	01	1	TT3	E1	31A		C02
00552	J1135	67													GND	01				TT3				
00986	J1135	68			J1130	19							168	9	HBCR2Q	02	HBSAJA	01	2	TT3	E1	32A		
00972	J1135	69			J1135	79							168	9	HBFB1P	02	HBCSMS	01	1	TT3	F3	35A		C01
01899	J1135	70			J1132	76							168	9	HBSAIO	01	HBSAJA	01	3	TT3	E1	33A		
00622	J1135	71			J1126	74							168	9	HBB08A	01	HBB240	01	2	TT3	F2	36A		
00624	J1135	72			J1126	80							168	9	HBB09A	01	HBB240	01	3	TT3	F2	34A		
01465	J1135	73											168	9	HBJAIO	02	HBJAIO	00	1	TT3	F1	36B		
00647	J1135	74			J1131	49							168	9	HBB240	01	HBB240	00	1	TT3	F2	35B		
01307	J1135	75			J1135	45							168	9	HBCYCP	02	HBJAIO	01	1	TT3	F1	37B		B02
00998	J1135	76			J1126	15							168	9	HBCSSA	01	HBCSMS	01	2	TT3	F3	37A		
01290	J1135	77											168	9	HBBD0AV	03	HBJAIO	01	2	TT3	F1	38B		C06
00993	J1135	78			J1126	55							168	9	HBCSMR	01	HBCSMS	01	3	TT3	F3	38A		
01318	J1135	79											168	9	HBFB1P	03	HBJAIO	01	3	TT3	F1	39B		C01
00995	J1135	80			J1128	70							168	9	HBCSMS	01	HBCSMS	00	1	TT3	F3	39A		

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE					
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1136 81					
RECORD NUMBER	FROM			TO			WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT											
00336	J1136	01									DNW	01				RR1					
00553	J1136	02									GND	01				RR1					
00001	J1136	03		J1136	04			180	2		+05RES	01				RR1	AP				A01
00002	J1136	04		J1136	14			180	2		+05RES	02				RR1	AP				A01
01348	J1136	05						168	9		HBFVSD1	03				RR1	A1				
03860	J1136	06		J1137	80			168	9		HBTCS01	02				RR1	A2				C03
01224	J1136	07						168	9		HBFADD1	03				RR1	A3				
03862	J1136	08						168	9		WBU56A1	02				RR1	A4				
03864	J1136	09						168	9		WBU57A1	02				RR1	A5				
01553	J1136	10						168	9		HBKAUD1	02				RR1	A6				
00337	J1136	11									DNW	01				RR1					
00338	J1136	12									+5V	01				RR1					D03
00004	J1136	13		J1136	21			180	2		+05RES	04				RR1	BP				A01
00003	J1136	14		J1136	13			180	2		+05RES	03				RR1	BP				A01
02586	J1136	15									KEY	01				RR1					
02587	J1136	16									KEY	01				RR1					
03939	J1136	17								M	WBDDI01	01				RR1	B1				
03940	J1136	18									SPR	01				RR1	B2				C02
03843	J1136	19						168	9		WBDRSA1	02				RR1	B3				
03841	J1136	20						168	9		WBDRRA1	02				RR1	B4				
00005	J1136	21		J1136	22			180	2		+05RES	05				RR1	CP				A01
00006	J1136	22		J1136	34			180	2		+05RES	06				RR1	CP				A01
03839	J1136	23						168	9		WBCCSA1	02				RR1	C1				
03852	J1136	24						168	9		WBRCSA1	02				RR1	B5				
03837	J1136	25						168	9		WBCCRA1	02				RR1	C2				
03850	J1136	26						168	9		WBRCRA1	02				RR1	B6				
02588	J1136	27									KEY	01				RR1					
02589	J1136	28									KEY	01				RR1					
03858	J1136	29						168	9		WBSTSA1	02				RR1	C3				
03856	J1136	30						168	9		WBSTRA1	02				RR1	C4				
00339	J1136	31									DNW	01				RR1					
00554	J1136	32									GND	01				RR1					
00008	J1136	33		J1136	49			180	2		+05RES	08				RR1	DP				A01
00007	J1136	34		J1136	33			180	2		+05RES	07				RR1	DP				A01
01420	J1136	35						168	9		HBHB11V1	03				RR1	D1				
01340	J1136	36						168	9		HBFBRO1	03				RR1	C6				
01423	J1136	37						168	9		HBHB12V1	03				RR1	D2				
03848	J1136	38		J1138	49			168	9		WBLTEA1	06				RR1	C5				
01426	J1136	39						168	9		HBHB13V1	03				RR1	D3				
01429	J1136	40						168	9		HBHB14V1	03				RR1	D4				
01437	J1136	41						168	9		HBHB17V1	02				RR1	E1				
01432	J1136	42						168	9		HBHB15V1	03				RR1	D5				
00340	J1136	43									DNW	01				RR1					
00555	J1136	44									GND	01				RR1					
01439	J1136	45						168	9		HBHB18V1	02				RR1	E2				
01435	J1136	46						168	9		HBHB16V1	03				RR1	D6				
02549	J1136	47		J1116	75			168	9		HC20A01	01				RR1	E3				C01
00893	J1136	48		J1131	60			168	9		HBCIOB1	03				RR1	E4				
00009	J1136	49		J1136	50			180	2		+05RES	09				RR1	EP				A01
00010	J1136	50		J1136	60			180	2		+05RES	10				RR1	EP				A01
CONNECTOR		J1136	CONTINUED ON THE NEXT PAGE ****																		

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. 10281452 FILE IDENT TSQ3MTSL		REV F DATE 09-01-82		INDEX PAGE 82							
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	USE	PREFIX	CONNECTOR	PIN	USE	MULTI GROUP	CODE	COLOR	IDENT											
00920	J1136	51		J1131	46					168	9		HBC1381	03				RR1	F1				
00902	J1136	52		J1131	59					168	9		HBC1181	03				RR1	E5				
00929	J1136	53		J1131	48					168	9		HBC1481	03				RR1	F2				
00916	J1136	54		J1147	04					168	9		HBC1281	08				RR1	E6				
00938	J1136	55		J1131	50					168	9		HBC1581	03				RR1	F3				
00887	J1136	56		J1131	52					168	9		HBC107V1	08				RR1	F4				CO1
00341	J1136	57											DNW	01				RR1					
00556	J1136	58											GND	01				RR1					
00012	J1136	59		J1136	69					180	2		+05RES	12				RR1	FP				AO1
00011	J1136	60		J1136	59					180	2		+05RES	11				RR1	FP				AO1
01586	J1136	61								168	9		HBRB12V1	03				RR1	G1				
00890	J1136	62								168	9		HBC108V1	03				RR1	F5				
01589	J1136	63								168	9		HBRB13V1	03				RR1	G2				
01583	J1136	64								168	9		HBRB11V1	03				RR1	F6				
01592	J1136	65								168	9		HBRB14V1	03				RR1	G3				
01594	J1136	66		J1147	15					168	9		HBRB15V1	02				RR1	G4				
00557	J1136	67											GND	01				RR1					
00342	J1136	68											DNW	01				RR1					
00013	J1136	69		J1136	70					180	2		+05RES	13				RR1	GP				AO1
00014	J1136	70		J1136	80					180	2		+05RES	14				RR1	GP				AO1
01603	J1136	71		J1147	19					168	9		HBRB18V1	02				RR1	H1				
01597	J1136	72		J1147	17					168	9		HBRB16V1	02				RR1	G5				
02763	J1136	73		J1137	01					168	9		HBRKARD	00				RR1	H2				CO1
01600	J1136	74		J1147	18					168	9		HBRB17V1	02				RR1	G6				
02773	J1136	75		J1117	54					168	9		HCO1A01	01				RR1	H3				CO1
02782	J1136	76		J1128	65					168	9		HCO1B01	01				RR1	H4				CO1
02791	J1136	77		J1104	45					168	9		HC40A01	01				RR1	H5				CO1
02799	J1136	78		J1112	73					168	9		HC40B01	01				RR1	H6				CO1
00016	J1136	79		J1129	80					180	2		+05RES	16				RR1	HP				AO1
00015	J1136	80		J1136	79					180	2		+05RES	15				RR1	HP				AO1

DRAWING NUMBER W110281452
UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

CONNECTOR

UNIT ASSEMBLY NO. 10281452
FILE IDENT TSQ3MTSL
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RECORD NUMBER	FROM			TO			WIRE					SHEET NUMBER	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO		
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT	AND										OR					
03890 00558	J1137	01		J1145	08			168	9			H8KARD GND	01 01	H8KARD	00	1	TLD TLD	A2			02B 01A	POWER OFF 40	A01			
01550 01551	J1137	03		J1137	04			168	9			H8KAQS H8KAQS	04 05	H8KASD H8KARD	01 01	1	TLD TLD	A3 A2				02A 04A				
03028 01223	J1137	05		J1137	13			168	9			SPI020 HBFADD1	33 02	H8KARD HBFADD1	01 00	2	TLD TLD	A2 A1				03B 05A	PICK R/R			
03027 01216	J1137	07		J1137	05			168	9			SPI020 HBFACR	32 01	H8KASD HBFADD1	01 01	2	TLD TLD	A3 A1				03A 06A				
03891 03026	J1137	09		J1145	09			168	9			H8KASD SPIO20	31 01	H8KASD HBFADD1	00 01	1	TLD TLD	A3 A1				04B 07A	POWER OFF 41	A01		
01549 00093	J1137	11		J1137	03			168	9			H8KAQS +5V	03 01	H8KATD	01	1	TLD TLD	A4				05B				
03029 00901	J1137	13		J1135	53			168	9			SPI020 HBC02D	34 02	H8KATD HBC1B1	01 02	2	TLD TLD	A4 B2				06B 09A		802		
01057 03892	J1137	14		J1136	52			168	9		J	HBC02D H8KATD	01 01	HBC02D H8KATD	00 00	1	TLD TLD	B2 A4				09A 07B	HBC1B1 BUSS POWER OFF 42	A01		
00559 00870	J1137	16		J1145	10			168	9			GND HBCID7V1	01 07	H8KATD	00	1	TLD					01B 08B		C01		
00869 01043	J1137	17		J1136	56			168	9			HBCID7V1 HBC13AV	06 01	HBC02D HBC04D	01 01	2	TLD TLD	B2 B3				10A 09B		C01		
01041 00915	J1137	18		J1137	17			168	9			HBC2AV HBC04D	01 07	HBC02D HBC12B1	01 02	2	TLD TLD	B2 B3				11A 10B				
01058 00892	J1137	20		J1133	01			168	9		J	HBC04D HBC01D	01 02	HBC04D HBC10B1	00 02	1	TLD TLD	B3 B1				10B 12A	HBC12B1 BUSS			
01056 00867	J1137	21		J1136	48			168	9		P	HBC01D HBCID7V1	01 04	HBC01D HBC08D	00 01	1	TLD TLD	B1 B4				12A 11B	HBC10B1 BUSS	C01		
00868 01045	J1137	22		J1137	24			168	9		J	HBCID7V1 HBC14AV	05 01	HBC01D HBC08D	01 01	2	TLD TLD	B1 B4				13A 12B		C01		
01039 00919	J1137	24		J1133	10			168	9			HBC14AV HBC08D	01 02	HBC01D HBC13B1	01 02	2	TLD TLD	B1 B4				14A 13B				
01059 00094	J1137	26		J1136	51			168	9		P	HBC08D +5V	01 01	HBC08D	00	1	TLD	B4				13B	HBC13B1 BUSS			
00866 03889	J1137	27		J1137	23			168	9			HBCID7V1 H8KAMD	03 01	HBC16D H8KAMD	01 01	1	TLD TLD	C3 C2				14B 15A	TO 80 PIN FRONT PA01	C01		
01047 00560	J1137	28		J1145	07			168	9			HBC16D HBC16D	02 00	HBC16D HBC16D	01 01	2	TLD TLD	C3				16B 21B				
00928 01076	J1137	29		J1133	25			168	9		P	HBC16D HBC16D	02 01	HBC16D HBC16D	02 00	1	TLD TLD	C3 C3				16B 16B	HBC14B1 BUSS			
02301 00865	J1137	30		J1136	53			168	9		J	H8W8B0V HBCID7V1	01 02	H8KAMD HBC32D	01 01	1	TLD TLD	C2 C4				16A 17B		C01		
03012 01051	J1137	31		J1137	29			168	9			SPIO20 HBC16AV	17 03	H8KAMD HBC32D	01 01	2	TLD TLD	C2 C4				17A 18B				
01552 00937	J1137	32		J1136	53			168	9		P	H8KAUD1 HBC32D	01 02	H8KAUD1 HBC15B1	00 02	1	TLD TLD	C1 C4				18A 19B	CONTINUITY TEST (
01109 01948	J1137	33		J1136	10			168	9		J	HBC32D HBFACR	01 0M	HBC32D H8KAUD1	00 01	1	TLD TLD	C4 C1				19B 19A	HBC15B1 BUSS	D01		
01477 03013	J1137	34		J1127	68			168	9			H8JAMD SPIO20	01 1B	H8JAQD6 H8KAUD1	01 01	2	TLD TLD	D3 C1				22B 20A				
01608 00561	J1137	35		J1137	29			168	9			H8STIP GND	003 01	H8JAQD6	01	2	TLD	D3				23B 27A		C06		
CONNECTOR		J1137	CONTINUED ON THE NEXT PAGE ****																							

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM FACTOR	PKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT								AND	OR		
01486	J1137	45		J1138	20		168	9				HBJAQD6	01	HBJAQD6	00	1	TLD	D3	248		RED FRONT PANEL		
01483	J1137	46		J1141	21		168	9				HBJAPD1	02	HBJAPD1	00	1	TLD	D2	21A		RED PROBE	002	
01482	J1137	47					168	9				HBJANO	03	HBJARD1	01	1	TLD	D4	25B			002	
01478	J1137	48		J1134	69		168	9				HBJAMO	02	HBJAPD1	01	1	TLD	D2	22A			002	
01507	J1137	49		J1137	43		168	9				HBSTIP	002	HBJARD1	01	2	TLD	D4	26B			002	
01606	J1137	50		J1137	49		168	9				HBSTIP	001	HBJAPD1	01	2	TLD	D2	23A			002	
01489	J1137	51		J1127	45		168	9				HBJARD1	01	HBJARD1	00	1	TLD	D4	27B		GREEN PROBE	002	
01339	J1137	52		J1136	36		168	9				HBFBRD1	02	HBFBRD1	00	1	TLD	D1	24A				
01006	J1137	53		J1128	57		168	9				HBCSTS	02	HBCSTD6	01	1	TLD	E3	28B				
01299	J1137	54		J1133	45		168	9				HBFBEO	04	HBFBRD1	01	1	TLD	D1	25A				
03009	J1137	55		J1137	56		168	9				SPI020	14	HBCSTD6	01	2	TLD	E3	29B				
03011	J1137	56		J1137	36		168	9				SPI020	16	HBFBRD1	01	2	TLD	D1	26A				
01000	J1137	57		J1138	17		168	9				HBCSTD6	01	HBCSTD6	00	1	TLD	E3	30B		SELF TEST COMP		
00562	J1137	58										GND	01				TLD		40A				
01211	J1137	59		J1128	73		168	9				HBEVSO	02	HBFVSD1	01	1	TLD	E4	31B		GREEN FRONT PANEL	C06	
01492	J1137	60		J1138	26		168	9				HBJASD6	01	HBJASD6	00	1	TLD	E2	28A				
03008	J1137	61		J1137	55		168	9				SPI020	13	HBFVSD1	01	2	TLD	E4	32B				
01481	J1137	62		J1137	47		168	9				HBJANO	02	HBJASD6	01	1	TLD	E2	29A				
01347	J1137	63		J1136	05		168	9				HBFVSD1	02	HBFVSD1	00	1	TLD	E4	33B				
01605	J1137	64		J1137	50		168	9				HBST1P	00	HBJASD6	01	2	TLD	E2	30A			C06	
03007	J1137	65		J1137	61		168	9				SPI020	12		01	1	TLD	F3	34B				
01497	J1137	66		J1138	35		168	9				HBJRC06	01	HBJRC06	00	1	TLD	E1	31A				
00563	J1137	67										GND	01				TLD						
01471	J1137	68		J1134	73		168	9				HBJAKQ	03	HBJRC06	01	1	TLD	E1	32A				
03832	J1137	69		J1118	65		168	9				SP0003	01		00	1	TLD	F3	35A				
03005	J1137	70		J1137	08		168	9				HBFACR	00	HBJRC06	01	2	TLD	E1	33A			802	
03006	J1137	71		J1137	65		168	9				SPI020	11	HBFABD1	01	1	TLD	F2	36A			C03	
03830	J1137	72		J1118	63		168	9				HBFABD1	01	HBFABD1	00	1	TLD	F2	34A			801	
02986	J1137	73		J1116	79		168	9				HBFACS	05	HBFABD1	01	2	TLD	F2	36B			C01	
02985	J1137	74		J1129	48		168	9				SPI019	18		01	2	TLD	F3	35B			C06	
03828	J1137	75		J1118	61		168	9				HBFACD1	01	HBFACD1	00	1	TLD	F1	37B			801	
03004	J1137	76					168	9				HBBA7P	02	HBTCSD1	01	1	TLD	F4	37A			C03	
03003	J1137	77					168	9				HBFAOV	02	HBFACD1	01	1	TLD	F1	38B			C02	
02988	J1137	78					168	9				HB829S	06	HBTCSD1	01	2	TLD	F4	38A			C03	
02987	J1137	79		J1137	73		168	9				HBFACS	04	HBFACD1	01	2	TLD	F1	39B			801	
03834	J1137	80					168	9				HBTCSD1	03	HBTCSD1	00	1	TLD	F4	39A			C03	

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE						
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1138 85						
RECORD NUMBER	FROM			TO			WIRE				SFC INST MISC	SIGNAL	SEQ NO	EQUATION	TERM FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PREFIX	CONNECTOR	PIN	MULTI GROUP	CODE	COLOR	IDENT									AND	OR		
00343		J1138	01									DNW	01									
00564		J1138	02									GND	01									
03945		J1138	02		J1138	13			168	9		G13802	01									
03844		J1138	03		J1138	04			168	9		WBLTEA1	01									
03845		J1138	04		J1138	21			168	9		WBLTEA1	02				AP					
01002		J1138	05		J1145	65			168	9		HBCSTD6	03				A1					A01
00344		J1138	06									DNW	01									
01485		J1138	07		J1145	62			168	9		HCJAPD6	03				A2					D02
01488		J1138	08		J1145	60			168	9		HBJAQD6	03				A3					A01
01491		J1138	09		J1145	63			168	9		HCJAR06	03				A4					D02
01494		J1138	10		J1145	61			168	9		HBJASD6	03				A5					A01
00345		J1138	11									DNW	01									
00346		J1138	12									+5V	01									D03
00565		J1138	13		J1138	14			168	9		G13802	02				BP					
00566		J1138	14						168	9		G13802	03				BP					
02590		J1138	15									KEY	01									
02591		J1138	16									KEY	01									
01001		J1138	17		J1138	05			168	9		HBCSTD6	02				B1					
00347		J1138	18									DNW	01									
01484		J1138	19		J1138	07			168	9		HCJAPD6	02				B2					D02
01487		J1138	20		J1138	08			168	9		HBJAQD6	02				B3					
03847		J1138	21		J1138	22			168	9		WBLTEA1	03				CP					
03846		J1138	22		J1136	38			168	9		WBLTEA1	04				CP					C06
01499		J1138	23		J1145	64			168	9		HBJRC06	03				C1					A01
01490		J1138	24		J1138	09			168	9		HCJAR06	02				B4					D02
02657		J1138	25		J1138	37			168	9		HCFIZ1	01				C2					A01
01493		J1138	26		J1138	10			168	9		HBJASD6	02				B5					
00348		J1138	27									DNW	01									
00349		J1138	28									+5V	01									E05
02658		J1138	29		J1138	39			168	9		HCFIZ2	01				C3					A01
02659		J1138	30						168	9		HC40A06	02				I1					C06
00350		J1138	31									DNW	01									
00567		J1138	32									GND	01									
03946		J1138	32		J1138	33			168	9		G13832	01									
00568		J1138	33		J1138	34			168	9		G13832	02				DP					
00569		J1138	34						168	9		G13832	03				DP					
01498		J1138	35		J1138	23			168	9		HBJRC06	02				D1					
02660		J1138	36		J1138	42			168	9		HCFIZ3	01				C4					
02815		J1138	37		J1145	45			168	9		HCFIZ1	02				D2					A01
02661		J1138	38		J1138	46			168	9		HCFIZ4	01				C5					A01
02857		J1138	39		J1145	46			168	9		HCFIZ2	02				D3					A01
02662		J1138	40		J1136	77			168	9		HC40A01	00				I1					C06
02663		J1138	41		J1138	51			168	9		HCFIZ5	01				E1					A01
02858		J1138	42		J1145	47			168	9		HCFIZ3	02				D4					A01
02592		J1138	43									KEY	01									
02593		J1138	44									KEY	01									
02664		J1138	45		J1138	53			168	9		HCFIZ6	01				E2					A01
02902		J1138	46		J1145	48			168	9		HCFIZ4	02				D5					A01
02865		J1138	47		J1138	55			168	9		HCF021	01				E3					A01
02666		J1138	48		J1138	56			168	9		HCF022	01				E4					A01
CONNECTOR (J1138) CONTINUED ON THE NEXT PAGE ****																						

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	OR	PREFIX	CONNECTOR	PIN	OR	MULTI GROUP	CODE	COLOR	IDENT											
02633	J1138		49		J1138	50				168	9		WBLTEA1	07			DR1	EP					
02634	J1138		50		J1138	69				168	9		WBLTEA1	08			DR1	EP					
02967	J1138		51		J1145	49				168	9		HCFI25	02			DR1	F1				A01	
02667	J1138		52		J1138	62				168	9		HCFI23	01			DR1	E5				A01	
02976	J1138		53		J1145	50				168	9		HCFI26	02			DR1	F2				A01	
00351	J1138		54										DNW	01			DR1						
03010	J1138		55		J1145	51				168	9		HCFI21	02			DR1	F3				A01	
03031	J1138		56		J1145	52				168	9		HCFI22	02			DR1	F4				A01	
00352	J1138		57										DNW	01			DR1						
00570	J1138		58										GND	01			DR1						
03947	J1138		58		J1138	59				168	9		G13858	01			DR1						
02635	J1138		59		J1138	60				168	9		G13858	02			DR1	FP					
02636	J1138		60							168	9		G13858	03			DR1	FP					
02668	J1138		61		J1138	71				168	9		HCFI24	01			DR1	G1				A01	
03035	J1138		62		J1145	53				168	9		HCFI23	02			DR1	F5				A01	
02669	J1138		63		J1138	73				168	9		HCFI25	01			DR1	G2				A01	
00353	J1138		64										DNW	01			DR1						
02670	J1138		65		J1138	75				168	9		HCFI26	01			DR1	G3				A01	
02671	J1138		66		J1138	76				168	9		HCFI21	01			DR1	G4				A01	
00571	J1138		67										GND	01			DR1						
03948	J1138		67		J1138	79				168	9		G13867	01			DR1						
00354	J1138		68										DNW	01			DR1						
02637	J1138		69		J1138	70				168	9		WBLTEA1	09			DR1	GP					
02638	J1138		70		J1139	22				168	9		WBLTEA1	10			DR1	GP				C06	
03043	J1138		71		J1145	54				168	9		HCFI24	02			DR1	H1				A01	
02672	J1138		72		J1138	78				168	9		HCFI22	01			DR1	G5				A01	
03655	J1138		73		J1145	55				168	9		HCFI25	02			DR1	H2				A01	
00355	J1138		74										DNW	01			DR1						
03656	J1138		75		J1145	56				168	9		HCFI26	02			DR1	H3				A01	
03657	J1138		76		J1145	57				168	9		HCFI21	02			DR1	H4				A01	
00356	J1138		77										DNW	01			DR1						
03658	J1138		78		J1145	59				168	9		HCFI22	02			DR1	H5				A01	
02639	J1138		79		J1138	80				168	9		G13867	02			DR1	HP					
02640	J1138		80							168	9		G13867	03			DR1	HP					

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	SH/2	PREFIX	CONNECTOR	PIN	SH/2	MULTI GROUP	CODE	COLOR	IDENT											
02649	J1139		49							168	9		M	HCO1A06	02			DR1	EP				C06
02650	J1139		50											HCO1A06				DR1	EP				C06
03669	J1139		51											SPR	01			DR1	F1				
02689	J1139		52		J1136	75				168	9			HCO1A01	00			DR1	E5				C06
03670	J1139		53											SPR	01			DR1	F2				
00365	J1139		54											DNW	01			DR1					
03671	J1139		55											SPR	01			DR1	F3				
03672	J1139		56											SPR	01			DR1	F4				
00366	J1139		57											DNW	01			DR1					
00574	J1139		58											GND	01			DR1					
03951	J1139		58		J1139	59				168	9			G13958	01			DR1					
02651	J1139		59		J1139	60				168	9			G13958	02			DR1	FP				
02652	J1139		60							168	9			G13958	03			DR1	FP				
02690	J1139		61											SPD	01			DR1	G1				
03673	J1139		62											SPR	01			DR1	F5				
02691	J1139		63											SPD	01			DR1	G2				
00367	J1139		64											DNW	01			DR1					
02692	J1139		65											SPD	01			DR1	G3				
02693	J1139		66											SPD	01			DR1	G4				
00575	J1139		67											GND	01			DR1					
03952	J1139		67		J1139	79				168	9			G13967	01			DR1					
00368	J1139		68											DNW	01			DR1					
02653	J1139		69										M	HCO1806				DR1	GP				C06
02654	J1139		70							168	9			HCO1806	02			DR1	GP				C06
03674	J1139		71											SPR	01			DR1	H1				
02694	J1139		72		J1136	76				168	9			HCO1B01	00			DR1	G5				C06
03675	J1139		73											SPR	01			DR1	H2				
00369	J1139		74											DNW	01			DR1					
03676	J1139		75											SPR	01			DR1	H3				
03677	J1139		76											SPR	01			DR1	H4				
00370	J1139		77											DNW	01			DR1					
03678	J1139		78											SPR	01			DR1	H5				
02655	J1139		79		J1139	80				168	9			G13967	02			DR1	HP				
02656	J1139		80							168	9			G13967	03			DR1	HP				

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS		SIGNAL DESCRIPTION	ECO NO
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01995		J1140	51					168	9				HBSB3A	02	HBST2Q	01	1	TDD	GQ		278		C06	
01852		J1140	52					168	9				HBS2AV	02	HBST2P	01	1	TDD	GP		24A			
02977		J1140	53		J1140	27		168	9				SPI019	10	HBST8Q	01	1	TDD	KQ		288		A01	
01933		J1140	54		J1130	78		168	9				HBST1Q	02	HBST2I	01	1	TDD	GI		25A			
01982		J1140	55		J1126	54		168	9				HBST8Q	01	HBST8Q	00	1	TDD	KQ		298		B04	
01617		J1140	56		J1130	07		168	9				HBKC3Q	01	HBST2N	01	1	TDD	GN		26A			
01979		J1140	57		J1134	53		168	9				HBST8P	02	HBST8P	00	1	TDD	KP		308			
00580		J1140	58										GND	01				TDD			40A			
01966		J1140	59		J1134	62		168	9				HBST6P	02	HBST6P	00	1	TDD	JP		318			
02000		J1140	60		J1134	75		168	9				HBS8C0	01	HBST8N	01	1	TDD	KN		28A			
01969		J1140	61		J1135	54		168	9				HBST6Q	01	HBST6Q	00	1	TDD	JQ		328			
01975		J1140	62		J1130	61		168	9				HBST7Q	01	HBST8I	01	1	TDD	KI		29A			
02997		J1140	63		J1129	41		168	9				SPI020	02	HBST6Q	01	1	TDD	JQ		338		B04	
01876		J1140	64					168	9				HBS8AV	02	HBST8P	01	1	TDD	KP		30A			
03030		J1140	65					168	9				HBBASA	02	HBBA7Q	01	1	TDD	HQ		348		C01	
01868		J1140	66					168	9				HBS6AV	02	HBST6P	01	1	TDD	JP		31A			
00581		J1140	67										GND	01				TDD			408			
01963		J1140	68		J1130	43		168	9				HBST5Q	01	HBST6I	01	1	TDD	JI		32A			
03815		J1140	69		J1137	76		168	9				HBBA7P	01	HBBA7P	00	1	TDD	MP		35A		C01	
02556		J1140	70		J1146	51		168	9				HC20SP	02	HBST6N	01	1	TDD	JN		33A			
02984		J1140	71		J1137	74		168	9				SPI019	17	HBBA7I	01	1	TDD	MI		36A		C01	
02899		J1140	72		J1140	17		168	9				SPI017	01	HBBA7N	01	1	TDD	MN		34A		C01	
02813		J1140	73					168	9				HBBARA	02	HBBA7P	01	1	TDD	MP		368		C01	
03816		J1140	74		J1135	65		168	9				HBBA7Q	01	HBBA7Q	00	1	TDD	HQ		358		C01	
01848		J1140	75					168	9				HBS0AV	02	HBSTOP	01	1	TDD	LP		378			
01921		J1140	76		J1141	51		168	9				HBSTOP	01	HBSTOP	00	1	TDD	LP		37A			
01990		J1140	77		J1130	55		168	9				HBST9Q	01	HBST0I	01	1	TDD	LI		388			
01927		J1140	78		J1107	13		168	9				HBST0Q	01	HBST0Q	00	1	TDD	LQ		38A		C06	
02555		J1140	79		J1140	70		168	9				HC20SP	01	HBST0N	01	1	TDD	LN		398			
02996		J1140	80					168	9				HBS86A	02	HBST0Q	01	1	TDD	LQ		39A		C06	

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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO	
	PREFIX	CONNECTOR	PIN	INT	PREFIX	CONNECTOR	PIN	INT	MULTI GROUP	CODE	COLOR	IDENT												
01922	J1141	51			J1134	59				168	9		HBST0P	02	HBST00V	01	1	THI	D6		27B			
03038	J1141	52								168	9		HBJPW0	02	HBJPWAV	01	1	THI	D1		26A		B02	
03914	J1141	53			J1145	22				168	9		HBST00V	01	HBST00V	00	1	THI	D6		26B	SYSTEM PWR ON - SA01		
03822	J1141	54			J1130	29				168	9		HBJPWAV	01	HBJPWAV	00	1	THI	D1		25A		B02	
01878	J1141	55								168	9		HBR580	02	HBR58AV	01	1	THI	E4		29B			
01875	J1141	56			J1140	64				168	9		HBR58AV	01	HBR58AV	00	1	THI	E4		28B			
01847	J1141	57			J1140	75				168	9		HBR50AV	01	HBR50AV	00	1	THI	E5		30B			
00586	J1141	58											GND	01				THI			40A			
01850	J1141	59								168	9		HBR500	02	HBR50AV	01	1	THI	E5		31B			
01867	J1141	60			J1140	66				168	9		HBR56AV	01	HBR56AV	00	1	THI	E3		28A			
01862	J1141	61								168	9		HBR540	02	HBR54AV	01	1	THI	E2		31A			
01870	J1141	62								168	9		HBR560	02	HBR56AV	01	1	THI	E3		29A			
01859	J1141	63			J1140	50				168	9		HBR54AV	01	HBR54AV	00	1	THI	E2		30A			
01854	J1141	64								168	9		HBR520	02	HBR52AV	01	1	THI	E1		33A			
01288	J1141	65			J1141	79				168	9		HBFBEO	AA	HBR5AAV	01	1	THI	E6		33B		B01	
01851	J1141	66			J1140	52				168	9		HBR52AV	01	HBR52AV	00	1	THI	E1		32A			
00587	J1141	67											GND	01				THI						
01837	J1141	68			J1142	49				168	9		HBR5AAV	03	HBR5AAV	00	1	THI	E6		32B			
01470	J1141	69			J1137	68				168	9		HBJAKQ	02	HBJALOV	01	1	THI	F3		35B			
01475	J1141	70			J1130	34				168	9		HBJALOV	01	HBJALOV	00	1	THI	F3		34B			
01468	J1141	71								168	9		HBJAJAV	03	HBJAJAV	00	1	THI	F2		36B			
01542	J1141	72								168	9		HBKANOV	02	HBKANOV	00	1	THI	F4		34A	ENABLE SENSE #2		
01464	J1141	73			J1135	73				168	9		HBJATO	01	HBJAJAV	01	1	THI	F2		37B			
03861	J1141	74			J1136	08				168	9		WBU56A1	01	HBKANOV	01	1	THI	F4		35A			
03042	J1141	75								168	9		HBR5CO	02	HBR5CAV	01	1	THI	F6		39A		B04	
03041	J1141	76								168	9		HAENER	02	HBCMAOV	01	1	THI	F5		37A		C02	
03823	J1141	77			J1140	04				168	9		HBR5CAV	01	HBR5CAV	00	1	THI	F6		38A		B04	
03824	J1141	78			J1135	66				168	9		HBCMAOV	01	HBCMAOV	00	1	THI	F5		36A		C02	
01289	J1141	79			J1147	11				168	9		HBFBEO	00	HBR5BAV	01	1	THI	F1		39B		B01	
01841	J1141	80			J1142	70				168	9		HBR5BAV	01	HBR5BAV	00	1	THI	F1		38B			

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1142**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **94**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACT	CT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	LR	PREFIX	CONNECTOR	PIN	LR	MULTI GROUP	CODE	COLOR	IDENT											
01839		J1142	50		J1142	43				168	9			HBRSAAV	05	HBR520	01	2	TQ2	D2	23A		
01869		J1142	51		J1141	62				168	9			HBR560	01	HBR560	00	1	TQ2	D4	27B		
01994		J1142	52							168	9			HBW31A	02	HBW31A	00	1	TQ2	D1	24A		C06
00976		J1142	53		J1135	01				168	9			WSTDTA	02	HBEVS0	01	1	TQ2	E3	28B		C02
01992		J1142	54		J1113	35				168	9			HBW7A0V	00	HBW31A	01	1	TQ2	D1	25A		C06
03859		J1142	55		J1136	06				168	9			HBTCSD1	01	HBEVS0	01	2	TQ2	E3	29B		C03
01932		J1142	56		J1113	42				168	9			HBW3B0V	00	HBW31A	01	2	TQ2	D1	26A		C06
01210		J1142	57		J1137	59				168	9			HBEVS0	01	HBEVS0	00	1	TQ2	E3	30B		
00592		J1142	58											GND	01				TQ2		27A		
03039		J1142	59		J1134	78				168	9			HBLHLOV	07	HBCPAA	01	1	TQ2	E4	31B		803
01849		J1142	60		J1146	67				168	9			HBWC3S	02	HBWC3S	00	1	TQ2	E2	28A		C06
02982		J1142	61							168	9			HBCK50V	02	HBCPAA	01	2	TQ2	E4	32B		802
01929		J1142	62							168	9			HBWC3R	02	HBWC3S	01	1	TQ2	E2	29A		C06
03826		J1142	63		J1147	50				168	9			HBCPAA	01	HBCPAA	00	1	TQ2	E4	33B		802
01843		J1142	64							168	9			HBWC2A	02	HBWC3S	01	2	TQ2	E2	30A		C06
01461		J1142	65		J1134	45				168	9			HBJAHS	01	HBJANO	01	1	TQ2	F3	34B		
01877		J1142	66		J1141	55				168	9			HBR580	01	HBR580	00	1	TQ2	E1	31A		
00593		J1142	67											GND	01				TQ2		40A		
01985		J1142	68		J1126	23				168	9			HBST9P	01	HBR580	01	1	TQ2	E1	32A		803
01480		J1142	69		J1137	62				168	9			HBJANO	01	HBJANO	00	1	TQ2	F3	35A		
01842		J1142	70		J1134	55				168	9			HBR5BAV	02	HBR580	01	2	TQ2	E1	33A		C06
00982		J1142	71		J1130	21				168	9			HBCR2P	01	HBS8BA	01	1	TQ2	F2	36A		
01998		J1142	72		J1134	79				168	9			HBS8BA	01	HBS8BA	00	1	TQ2	F2	34A		
00595		J1142	73							168	9			HAFTCOV	02	HBS8BA	01	2	TQ2	F2	36B		C02
01489		J1142	74		J1141	69				168	9			HBJAKQ	01	HBJANO	01	2	TQ2	F3	35B		
01996		J1142	75							168	9			HBB530	02	HBB530	00	1	TQ2	F1	37B		C06
03040		J1142	76		J1135	06				168	9			HBFACS	00	HBFACA	01	1	TQ2	F4	37A		802
00985		J1142	77							168	9			HBS880	03	HBB530	01	1	TQ2	F1	38B		C06
02983		J1142	78							168	9			HBWAYAV	02	HBFACA	01	2	TQ2	F4	38A		802
01005		J1142	79							168	9			HBB52A	02	HBB530	01	2	TQ2	F1	39B		C06
03827		J1142	80		J1141	23				168	9			HBFACA	01	HBFACA	00	1	TQ2	F4	39A		802

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE		SIGNAL DESCRIPTION		ECO NO		
ML10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1143 95						
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	SH	PREFIX	CONNECTOR	PIN	SH	MULTI GROUP	CODE	COLOR	IDENT										
03364		J1143	01										SPP	01								
03365		J1143	02										GND	01								D03
03366		J1143	03										SPP	01								
03367		J1143	04										SPP	01								
03368		J1143	05										SPP	01								
03369		J1143	06										SPP	01								
03370		J1143	07										SPP	01								
03371		J1143	08										SPP	01								
03372		J1143	09										SPP	01								
03373		J1143	10										SPP	01								
03374		J1143	11										SPP	01								
03375		J1143	12										+5V	01								D03
03376		J1143	13										SPP	01								
03377		J1143	14										SPP	01								
03378		J1143	15										SPP	01								
03379		J1143	16										GND	01								D03
03380		J1143	17										SPP	01								
03381		J1143	18										SPP	01								
03382		J1143	19										SPP	01								
03383		J1143	20										SPP	01								
03384		J1143	21										SPP	01								
03385		J1143	22										SPP	01								
03386		J1143	23										SPP	01								
03387		J1143	24										SPP	01								
03388		J1143	25										SPP	01								
03389		J1143	26										SPP	01								
03390		J1143	27										SPP	01								
03391		J1143	28										+5V	01								D03
03392		J1143	29										SPP	01								
03393		J1143	30										SPP	01								
03394		J1143	31										SPP	01								
03395		J1143	32										GND	01								D03
03396		J1143	33										SPP	01								
03397		J1143	34										SPP	01								
03398		J1143	35										SPP	01								
03399		J1143	36										SPP	01								
03400		J1143	37										SPP	01								
03401		J1143	38										SPP	01								
03402		J1143	39										SPP	01								
03403		J1143	40										SPP	01								
03404		J1143	41										SPP	01								
03405		J1143	42										SPP	01								
03406		J1143	43										SPP	01								
03407		J1143	44										GND	01								D03
03408		J1143	45										SPP	01								
03409		J1143	46										SPP	01								
03410		J1143	47										SPP	01								
03411		J1143	48										SPP	01								
03412		J1143	49										SPP	01								
03413		J1143	50										SPP	01								
CONNECTOR		J1143	CONTINUED ON THE NEXT PAGE ***																			

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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RECORD NUMBER	FROM				TO				WIRE				SFC INST. NUM.	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT												
03414	J1143	51											SPP	01										
03415	J1143	52											SPP	01										
03416	J1143	53											SPP	01										
03417	J1143	54											SPP	01										
03418	J1143	55											SPP	01										
03419	J1143	56											SPP	01										
03420	J1143	57											SPP	01										
03421	J1143	58											GND	01									003	
03422	J1143	59											SPP	01										
03423	J1143	60											SPP	01										
03424	J1143	61											SPP	01										
03425	J1143	62											SPP	01										
03426	J1143	63											SPP	01										
03427	J1143	64											SPP	01										
03428	J1143	65											SPP	01										
03429	J1143	66											SPP	01										
03430	J1143	67											GND	01									003	
03431	J1143	68											SPP	01										
03432	J1143	69											SPP	01										
03433	J1143	70											SPP	01										
03434	J1143	71											SPP	01										
03435	J1143	72											SPP	01										
03436	J1143	73											SPP	01										
03437	J1143	74											SPP	01										
03438	J1143	75											SPP	01										
03439	J1143	76											SPP	01										
03440	J1143	77											SPP	01										
03441	J1143	78											SPP	01										
03442	J1143	79											SPP	01										
03443	J1143	80											SPP	01										

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1144**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **97**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	POS	PREFIX	CONNECTOR	PIN	POS	MULTI GROUP	CODE	COLOR	IDENT											
03444		J1144	01		J1144	03				1B0	0		G14402	02			MTS						
03445		J1144	02		J1144	03							GND	01			MTS						
03953		J1144	02		J1144	01				1B0	0		G14402	01			MTS						
03446		J1144	03		J1144	05				1B0	0		G14402	03			MTS						C05
03447		J1144	04										SPP	01			MTS						C05
03448		J1144	05		J1144	62				1B0	0		G14402	05			MTS						C05
03449		J1144	06							1B0	0		HCIGND	02			MTS						
03450		J1144	07									SPP	01				MTS						
03451		J1144	08									SPP	01				MTS						
03452		J1144	09									SPP	01				MTS						
03453		J1144	10									SPP	01				MTS						
03454		J1144	11							168	9		WBSTP01	03			MTS						
03455		J1144	12									+5V	01				MTS						
03961		J1144	12		J1144	46				1B0	2		+5V01	01			MTS						E07
03456		J1144	13							168	9		HCDDIO	02			MTS						C06
03457		J1144	14		J1128	77				168	9		HCDDIO1	01			MTS						C06
03458		J1144	15									SPP	01				MTS						
03459		J1144	16									GND	01				MTS						
03460		J1144	17									SPP	01				MTS						
03461		J1144	18									SPP	01				MTS						
03462		J1144	19									SPP	01				MTS						
03463		J1144	20									SPP	01				MTS						
03464		J1144	21									SPP	01				MTS						
03465		J1144	22									SPP	01				MTS						
03466		J1144	23									SPP	01				MTS						
03467		J1144	24									SPP	01				MTS						
03468		J1144	25									SPP	01				MTS						
03469		J1144	26									SPP	01				MTS						
03470		J1144	27									SPP	01				MTS						
03471		J1144	28									+5V	01				MTS						
03472		J1144	29									SPP	01				MTS						
03473		J1144	30									SPP	01				MTS						
03474		J1144	31									SPP	01				MTS						
03475		J1144	32									GND	01				MTS						
03476		J1144	33									KEY	01				MTS						E01
03477		J1144	34									KEY	01				MTS						E01
03478		J1144	35		J1146	01				168	9		HBUPU0	01			MTS						C03
03479		J1144	36									SPP	01				MTS						C05
03504		J1144	37									SPP	01				MTS						C05
03481		J1144	38									SPP	01				MTS						
03482		J1144	39		J1136	03				1B0	2		+05RES	00			MTS						A01
03483		J1144	40		J1145	72				1B0	0		WLOVRA	01			MTS						A01
03484		J1144	41									SPP	01				MTS						
03485		J1144	42									SPP	01				MTS						
03486		J1144	43							1B0	2		+05RES1	50			MTS						C04
03487		J1144	44									GND	01				MTS						
03488		J1144	45							168	9		V14228	02			MTS						
03489		J1144	46									+5V01	02				MTS						E07
03490		J1144	47									SPP	01				MTS						
03491		J1144	48									SPP	01				MTS						
CONNECTOR	J1144	CONTINUED ON THE NEXT PAGE ****																					

DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

CONNECTOR

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL
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RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	DIAG	MULTI GROUP	CODE	COLOR										
03492	J1144	49											SPP	01			MTS					
03493	J1144	50											SPP	01			MTS					
03494	J1144	51											SPP	01			MTS					
03495	J1144	52											SPP	01			MTS					
03496	J1144	53											SPP	01			MTS					
03497	J1144	54											SPP	01			MTS					
03498	J1144	55											SPP	01			MTS					
03499	J1144	56			J1144	58				18D	0		G14458	01			MTS				E07	
03500	J1144	57											SPP	01			MTS					
03501	J1144	58											GND	01			MTS					
03962	J1144	58											G14458	02			MTS				E07	
03502	J1144	59											SPP	01			MTS					
03503	J1144	60											SPP	01			MTS					
03480	J1144	61			J1145	70				18D	0		WSWGND	01			MTS				E05	
03505	J1144	62								18D	0		G14402	06			MTS				E05	
03506	J1144	63											SPP	01			MTS					
03507	J1144	64											SPP	01			MTS					
03508	J1144	65											SPP	01			MTS					
03509	J1144	66											SPP	01			MTS					
03510	J1144	67											GND	01			MTS					
03511	J1144	68											SPP	01			MTS					
03512	J1144	69											SPP	01			MTS					
03513	J1144	70											SPP	01			MTS					
03514	J1144	71											SPP	01			MTS					
03515	J1144	72											SPP	01			MTS					
03516	J1144	73											SPP	01			MTS					
03517	J1144	74											SPP	01			MTS					
03518	J1144	75											KEY	01			MTS				E01	
03519	J1144	76											KEY	01			MTS				E01	
03520	J1144	77											SPP	01			MTS					
03521	J1144	78											SPP	01			MTS					
03522	J1144	79											SPP	01			MTS					
03523	J1144	80											SPP	01			MTS					

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE							
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1145 99							
RECORD NUMBER	FROM				TO				WIRE		SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE		TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	QTY	PREFIX	CONNECTOR	PIN	QTY	MULTI GROUP	CODE								COLOR	IDENT	AND	OR		
03524	J1145	01								168	9	WB10704	02			EXT							A01
03525	J1145	02										SPP	01			EXT							
03526	J1145	03								168	9	HCCF23	03			EXT							A01
03527	J1145	04								168	9	HCCF24	03			EXT							A01
03528	J1145	05								168	9	HCCF25	03			EXT							A01
03529	J1145	06								168	9	HCCF26	03			EXT							A01
03530	J1145	07								168	9	HBKAMD	02			EXT							A01
03531	J1145	08								168	9	HBKARD	02			EXT							A01
03532	J1145	09								168	9	HBKASD	02			EXT							A01
03533	J1145	10								168	9	HBKATD	02			EXT							A01
03534	J1145	11								168	9	HBST30V	02			EXT							A01
03535	J1145	12										SPP	01			EXT							
03536	J1145	13								168	9	HBST70V	02			EXT							A01
03537	J1145	14								168	9	HBST90V	02			EXT							A01
03538	J1145	15								168	9	HBST50V	02			EXT							A01
03539	J1145	16										SPP	01			EXT							
03540	J1145	17								168	9	HBST10V	02			EXT							A01
03541	J1145	18								168	9	HBST20V	02			EXT							A01
03542	J1145	19								168	9	HBST40V	02			EXT							A01
03543	J1145	20								168	9	HBST60V	02			EXT							A01
03544	J1145	21								168	9	HBST80V	02			EXT							A01
03545	J1145	22								168	9	HBST00V	02			EXT							A01
03546	J1145	23			J1124	60				168	9	HBYA10V	00			EXT							A01
03547	J1145	24			J1124	59				168	9	HBYA20V	00			EXT							A01
03548	J1145	25			J1124	61				168	9	HBYA30V	00			EXT							A01
03549	J1145	26			J1124	61				168	9	HBYA40V	11			EXT							A01
03550	J1145	27			J1124	71				168	9	HBYA50V	00			EXT							A01
03551	J1145	28										SPP	01			EXT							
03552	J1145	29			J1124	73				168	9	HBYA60V	00			EXT							A01
03553	J1145	30			J1114	24				168	9	HBT190E	00			EXT							A01
03554	J1145	31			J1114	18				168	9	HBT191E	00			EXT							A01
03555	J1145	32										SPP	01			EXT							
03556	J1145	33			J1114	29				168	9	HBT192E	00			EXT							B01
03557	J1145	34			J1114	35				168	9	HBT193E	00			EXT							B01
03558	J1145	35			J1114	38				168	9	HBT200E	00			EXT							A01
03559	J1145	36			J1114	30				168	9	HBT201E	00			EXT							A01
03560	J1145	37			J1114	41				168	9	HBT202E	00			EXT							B01
03561	J1145	38			J1114	47				168	9	HBT203E	00			EXT							B01
03562	J1145	39								168	9	WTSSA1	04			EXT							A01
03563	J1145	40								168	9	WTSSCA1	03			EXT							A01
03564	J1145	41								168	9	WTSBCA1	04			EXT							A01
03565	J1145	42								168	9	HBLAK0V	04			EXT							A01
03566	J1145	43			J1109	56				168	9	HBLAF0	00			EXT							A01
03567	J1145	44										SPP	01			EXT							
03568	J1145	45								168	9	HCFI21	03			EXT							A01
03569	J1145	46								168	9	HCFI22	03			EXT							A01
03570	J1145	47								168	9	HCFI23	03			EXT							A01
03571	J1145	48								168	9	HCFI24	03			EXT							A01
03572	J1145	49								168	9	HCFI25	03			EXT							A01
03573	J1145	50								168	9	HCFI26	03			EXT							A01
CONNECTOR (J1145)		CONTINUED ON THE NEXT PAGE ****																					

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1145**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **100**

RECORD NUMBER	FROM				TO				WIRE				SPEC INST	SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE		TEST POINTS		SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	FIN	SIN	PREFIX	CONNECTOR	FIN	SIN	MULTI GROUP	CODE	COLOR	IDENT									AND	OR	AND	OR		
03574		J1145	51							168	9		HCFFO21	03				EXT						A01		
03575		J1145	52							168	9		HCFFO22	03				EXT						A01		
03576		J1145	53							168	9		HCFFO23	03				EXT						A01		
03577		J1145	54							168	9		HCFFO24	03				EXT						A01		
03578		J1145	55							168	9		HCFFO25	03				EXT						A01		
03579		J1145	56							168	9		HCFFO26	03				EXT						A01		
03580		J1145	57							168	9		HCCFZ1	03				EXT						A01		
03581		J1145	58							168	9		HBJAPOV	02				EXT						D02		
03582		J1145	59							168	9		HCCFZ2	03				EXT						A01		
03583		J1145	60							168	9		HBJAQD6	04				EXT						A01		
03584		J1145	61							168	9		HBJASD6	04				EXT						A01		
03585		J1145	62							168	9		HCJAPD6	04				EXT						D02		
03586		J1145	63							168	9		HCJAR6	04				EXT						D02		
03587		J1145	64							168	9		HBJRCD6	04				EXT						A01		
03588		J1145	65							168	9		HBCSTD6	04				EXT						A01		
03589		J1145	66							168	9		WBDLTA6	03				EXT						A01		
03590		J1145	67		J1138	19				168	9		HCJAPD6	01				EXT						D02		
03591		J1145	68							168	9		WBCLTA6	03				EXT						A01		
03592		J1145	69							168	9		HBJAROV	02				EXT						D02		
03593		J1145	70							180	0		WSWGND	02				EXT						A01		
03594		J1145	71		J1139	49				168	9		HCOIA06	01				EXT						C06		
03595		J1145	72							180	0		WLOVRA	02				EXT						A01		
03596		J1145	73		J1138	30				168	9		HC40A06	01				EXT						C06		
03597		J1145	74		J1139	30				168	9		HC40B06	01				EXT						C06		
03598		J1145	75							168	9		HBFAXAV	02				EXT						C01		
03599		J1145	76		J1138	24				168	9		HCJAR6	01				EXT						D02		
03600		J1145	77		J1144	13				168	9		HCDTDO	01				EXT						C06		
03601		J1145	78		J1139	70				168	9		HCO1B06	01				EXT						C06		
03602		J1145	79		J1142	53				168	9		WSTDTA	01				EXT						C01		
03603		J1145	80							168	9		HBLFTA6	02				EXT						C01		

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1146**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **101**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	U/I	PREFIX	CONNECTOR	PIN	U/I	MULTI GROUP	CODE	COLOR	IDENT											
02538	J1146	01							16B	9			HBUPU0	02									C03
03938	J1146	02			J1144	06			18D	0			HC1GND	01									
02542	J1146	03											SPP	01									C01
02540	J1146	04			J1116	11			16B	9			HC21C0	01									
02558	J1146	05			J1116	06			16B	9			HC21B0	01									
02562	J1146	06							16B	9			HCPRB+51	02									C06
02548	J1146	07											SPP	01									A01
02566	J1146	08							16B	9			HBWBCA	02									C07
01500	J1146	09			J1133	26			16B	9			HBJ000V	01	HCDMMZ	01	1	EXT					
01502	J1146	10			J1133	72			16B	9			HBJ010V	01	HCDMMZ	01	2	EXT					
01504	J1146	11			J1133	34			16B	9			HBJ020V	01	HCDMMZ	01	3	EXT					
03604	J1146	12											SPP	01									
01506	J1146	13			J1133	77			16B	9			HBJ030V	01	HCDMMZ	01	4	EXT					
01508	J1146	14			J1133	31			16B	9			HBJ040V	01	HCDMMZ	01	5	EXT					
01510	J1146	15			J1127	08			16B	9			HBJ050V	01	HCDMMZ	01	6	EXT					
03605	J1146	16			J1137	75			16B	9			HBFACD1	00									B01
01512	J1146	17			J1133	68			16B	9			HBJ060V	01	HCDMMZ	01	7	EXT					
01514	J1146	18			J1127	01			16B	9			HBJ070V	01	HCDMMZ	01	8	EXT					
01516	J1146	19			J1133	71			16B	9			HBJ080V	01	HCDMMZ	02	1	EXT					
01792	J1146	20			J1116	38			16B	9			HBMY1AV	01	HCDMMZ	02	2	EXT					
01796	J1146	21			J1116	29			16B	9			HBMY2AV	01	HCDMMZ	02	3	EXT					
01800	J1146	22			J1116	33			16B	9			HBMY3AV	01	HCDMMZ	02	4	EXT					
01804	J1146	23			J1116	47			16B	9			HBMY4AV	01	HCDMMZ	02	5	EXT					
01808	J1146	24			J1116	41			16B	9			HBMY5AV	01	HCDMMZ	02	6	EXT					
01812	J1146	25			J1116	45			16B	9			HBMY6AV	01	HCDMMZ	02	7	EXT					
02266	J1146	26											SPP	01									C02
02272	J1146	27			J1126	20			16B	9			HBWAY0	01	HCDMMZ	03	1	EXT					
03606	J1146	28											SPP	01									
02274	J1146	29			J1128	39			16B	9			HBWAZ0	01	HCDMMZ	03	2	EXT					
02492	J1146	30			J1132	01			16B	9			HCE01A	01									
02494	J1146	31			J1132	04			16B	9			HCE02A	01									
03607	J1146	32			J1137	72			16B	9			HBFABD1	00									B01
02496	J1146	33			J1132	05			16B	9			HCE03A	01									
02498	J1146	34			J1132	06			16B	9			HCE04A	01									
02500	J1146	35			J1132	07			16B	9			HCE05A	01									
02502	J1146	36			J1132	08			16B	9			HCE06A	01									
02504	J1146	37			J1132	10			16B	9			HCE07A	01									
02506	J1146	38			J1132	13			16B	9			HCE08A	01									
02508	J1146	39			J1132	14			16B	9			HCE09A	01									
02510	J1146	40			J1132	18			16B	9			HCE10A	01									
02512	J1146	41			J1132	19			16B	9			HCE11A	01									
02514	J1146	42			J1132	20			16B	9			HCE12A	01									
02516	J1146	43			J1106	77			16B	9			HCE13A	01									C01
03608	J1146	44											SPP	01									
02518	J1146	45			J1106	78			16B	9			HCE14A	01									C01
02520	J1146	46			J1106	79			16B	9			HCE15A	01									C01
02522	J1146	47			J1126	49			16B	9			HCE16A	01									C01
02524	J1146	48			J1126	45			16B	9			HCE17A	01									
02526	J1146	49			J1126	47			16B	9			HCE18A	01									
02546	J1146	50			J1130	10			16B	9			HC10SP	01									
CONNECTOR		J1146	CONTINUED ON THE NEXT PAGE ****																				

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1146**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **102**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	LOAD OR POWER PLANE	TEST POINTS AND OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	WIRE NO	PREFIX	CONNECTOR	PIN	WIRE NO	MULTI GROUP	CODE	COLOR	IDENT										
02557	J1146	51								168	9		HC20SP	03								
01212	J1146	52											SPP	01								C02
01222	J1146	53			J1137	06				168	9		HBFA0D1	01	HCDMMZ	03	3					
02528	J1146	54			J1142	05				168	9		HC101A	01								B02
02530	J1146	55			J1142	07				168	9		HC102A	01								B02
01237	J1146	56			J1142	22				168	9		HBFAJS	01	HCDMMZ	03	4					
01242	J1146	57			J1142	14				168	9		HBFAKS	01	HCDMMZ	03	5					
03609	J1146	58											SPP	01								
03610	J1146	59								168	9		HBWBDA	02								C01
02572	J1146	60			J1135	21				168	9		HC51M0	01								
02576	J1146	61			J1135	23				168	9		HC52M0	01								
02580	J1146	62			J1135	25				168	9		HC53M0	01								
02570	J1146	63			J1135	29				168	9		HC51L0	01								
02574	J1146	64			J1135	30				168	9		HC52L0	01								
02578	J1146	65			J1135	34				168	9		HC53L0	01								
02536	J1146	66			J1130	68				168	9		HCP5M0	01								B04
03611	J1146	67								168	9		HBWC3S	03								C06
02534	J1146	68			J1130	62				168	9		HCP5L0	01								B04
01683	J1146	69			J1109	50				168	9		HBLAGA	01	HCDMMZ	03	6					
01946	J1146	70			J1141	25				168	9		HBFAOV	01	HCDMMZ	03	7					B01
01227	J1146	71			J1109	04				168	9		HBFAGA	01	HCDMMZ	04	1					B02
01816	J1146	72			J1135	19				168	9		HBPPNR	01	HCDMMZ	04	2					
01338	J1146	73			J1137	52				168	9		HBFBRD1	01	HCDMMZ	04	3					
01225	J1146	74			J1126	27				168	9		HBFAEO	01	HCDMMZ	04	4					B03
01541	J1146	75			J1141	72				168	9		HBKANOV	01	HCDMMZ	04	6					
01543	J1146	76			J1141	01				168	9		HBKAOV	01	HCDMMZ	04	7					
01346	J1146	77			J1137	63				168	9		HBFVSD1	01	HCDMMZ	04	8					
00637	J1146	78								168	9		HBB53A	02	HCDMMZ	05	1					C07
02532	J1146	79											SPP	01								B02
02298	J1146	80			J1126	17				168	9		HBWBAOV	01	HCDMMZ	05	2					B02

DRAWING NUMBER UNIT ASSEMBLY NAME		CONNECTOR										UNIT ASSEMBLY NO. FILE IDENT		REV F DATE		INDEX PAGE																									
WL10281452 CARD CAGE WIRED LH MTS												10281452 TSQ3MTSL		09-01-82		J1147 103																									
RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE		TEST POINTS		SIGNAL DESCRIPTION	ECO NO																
	PREFIX	CONNECTOR	PIN	WIRE	PREFIX	CONNECTOR	PIN	WIRE	MULTI GROUP	CODE	COLOR	IDENT								SIZE	WIRE	AND/OR	AND/OR																		
00891	J1147	01		J1137	22					168	9		HBC10B1	01																											
03612	J1147	02											SPP	01																											
00900	J1147	03		J1137	14					168	9		HBC11B1	01																											
00917	J1147	04								168	9		HBC12B1	09																											
00918	J1147	05		J1137	27					168	9		HBC13B1	01																											
00927	J1147	06		J1137	33					168	9		HBC14B1	01																											
00936	J1147	07		J1137	39					168	9		HBC15B1	01																											
01821	J1147	08		J1131	21					168	9		HBRM10V	01																											
01416	J1147	09		J1127	54					168	9		HBHAI0V	01																											
02056	J1147	10		J1103	09					168	9		HBTE3A	01																											
01296	J1147	11		J1141	17					168	9		HBFBEO	01																											
03613	J1147	12											SPP	01																											
02072	J1147	13								168	9		HBHAHS	04											801																
02143	J1147	14								168	9		HBT4COV	02											C02																
01595	J1147	15								168	9		HBK815V1	03																											
03614	J1147	16											SPP	01																											
01598	J1147	17								168	9		HBK816V1	03																											
01601	J1147	18								168	9		HBK817V1	03																											
01604	J1147	19								168	9		HBK818V1	03																											
00599	J1147	20								168	9		HBCK8A	02											803																
03615	J1147	21											SPP	01																											
00597	J1147	22		J1106	06					168	9		HAT183E	01											C02																
01904	J1147	23		J1112	43					168	9		HBSAKAV	01											801																
00953	J1147	24		J1117	06					168	9		HBCP1A	01																											
00956	J1147	25		J1117	01					168	9		HBCP2A	01																											
00958	J1147	26		J1117	09					168	9		HBCP3A	01																											
00960	J1147	27		J1117	15					168	9		HBCP4A	01																											
03616	J1147	28											SPP	01																											
00962	J1147	29		J1117	22					168	9		HBCP5A	01																											
00964	J1147	30		J1117	14					168	9		HBCP6A	01																											
00601	J1147	31		J1117	30					168	9		HBBP1A	01																											
03617	J1147	32											SPP	01																											
00603	J1147	33		J1117	33					168	9		HBBP2A	01																											
00605	J1147	34		J1117	39					168	9		HBBP3A	01																											
00966	J1147	35		J1117	21					168	9		HBCP7A	01																											
00968	J1147	36		J1117	27					168	9		HBCP8A	01																											
00970	J1147	37		J1117	38					168	9		HBCP9A	01																											
00594	J1147	38		J1142	73					168	9		HAFTCOV	01											C02																
00853	J1147	39		J1104	68					168	9		HBCGDV	01																											
00855	J1147	40		J1104	57					168	9		HBCGEAV	01																											
00857	J1147	41		J1117	75					168	9		HBCGFA	01											C05																
01732	J1147	42		J1113	80					168	9		HBLDCO	01																											
02405	J1147	43		J1112	80					168	9		HBYSPOV	01																											
03618	J1147	44											SPP	01																											
03619	J1147	45								168	9		HBNBCA	02											A01																
03620	J1147	46								168	9		HBCPOA	02											802																
03621	J1147	47								168	9		HBWAKA	05											802																
03622	J1147	48											SPP	01																											
03623	J1147	49											SPP	01																											
03624	J1147	50								168	9		HBCPAA	02											802																
CONNECTOR		J1147	CONTINUED ON THE NEXT PAGE ****																																						

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

CONNECTOR

UNIT ASSEMBLY NO. **10281452** REV **F** INDEX **J1147**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **104**

RECORD NUMBER	FROM				TO				WIRE				SIGNAL	SEQ NO	EQUATION	TERM	FACTOR	CKT OR CHIP TYPE	GROUP	LOAD OR POWER PLANE	TEST POINTS AND/OR	SIGNAL DESCRIPTION	ECO NO
	PREFIX	CONNECTOR	PIN	PORT	PREFIX	CONNECTOR	PIN	PORT	MULTI GROUP	CODE	COLOR	IDENT											
03625		J1147	51										SPP	01				FTH					
03626		J1147	52										SPP	01				FTH					
03627		J1147	53										SPP	01				FTH					
03628		J1147	54										SPP	01				FTH					
03629		J1147	55										SPP	01				FTH					
03630		J1147	56		J1109	10				168	9		HACMAA	02				FTH				C01	
03631		J1147	57										SPP	01				FTH					
03632		J1147	58										SPP	01				FTH					
03633		J1147	59										SPP	01				FTH					
03634		J1147	60		J1145	43				168	9		HBLAFO	0A				FTH				C01	
03635		J1147	61										SPP	01				FTH					
03636		J1147	62										SPP	01				FTH					
03637		J1147	63										SPP	01				FTH					
03638		J1147	64										SPP	01				FTH					
03639		J1147	65										SPP	01				FTH					
03640		J1147	66										SPP	01				FTH					
03641		J1147	67										SPP	01				FTH					
03642		J1147	68										SPP	01				FTH					
03643		J1147	69										SPP	01				FTH					
03644		J1147	70		J1128	68				168	9		HAFTBQ	01				FTH				C02	
03645		J1147	71										SPP	01				FTH					
03646		J1147	72		J1109	79				168	9		HAFTBP	01				FTH				C02	
03647		J1147	73										SPP	01				FTH					
03648		J1147	74										SPP	01				FTH					
03649		J1147	75		J1141	76				168	9		HAENER	01				FTH				C02	
03650		J1147	76										SPP	01				FTH					
03651		J1147	77										SPP	01				FTH					
03652		J1147	78										SPP	01				FTH					
03653		J1147	79										SPP	01				FTH					
03654		J1147	80		J1144	43				18D	2		+05RES1	49				FTH				C04	

3-2676-1

**CARD RACK ASSEMBLY - TEST SET, DIGITAL, LH
LOGIC WIRE LIST
WL10281452**

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
3. REFERENCE TO SHEET 5 OF STRING LIST FOR WIRE CODE DEFINITIONS.
4. REFERENCE TO SHEET 6 OF STRING LIST FOR WIRE PARTS LIST.
5. ALL ABBREVIATIONS PER MIL-STD-12.
6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: CARD CAGE WIRED LH MTS.
7. ALL 8XXXXX CONTROLLED NUMBERS ARE PREFIXED BY CODE IDENT "13973".
8. ECOs WILL BE WRITTEN SHOWING YELLOW HAND WIRE BEING USED FOR CHANGES TO AUTOMATIC WIRING. THESE SAME YELLOW WIRES WILL BE INCORPORATED AS WHITE AUTOMATIC WIRES AT THE NEXT DRAWING UPDATE.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

1. **Record Number** - A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.
2. **Prefix** - An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.
3. **Connector** - Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.
4. **Pin** - Exact terminating point of the respective connector. Designations are unique:
 - A. SHXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
 - B. JCT indicates a common point of two or more shield pigtails.
 - C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.
5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.
6. **Multi Group** - Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.
7. **Wire Code** - A three-digit code for wire type and gage or bus bar.
8. **Wire Color** - Standard RETMA color code.
 - A. Base Stripe Tracer.
 - B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.
9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.
10. **Spc Inst** - A code which indicates that a wire must be given special attention as follows:
 - A. Direct routing, no service loops, no harnessing.
 - B. See general notes or instruction pages.
 - C. See general notes or instruction pages.
 - D. See general notes or instruction pages.
 - E. See general notes or instruction pages.
 - F. See signal description.
 - G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
 - H. See special routing page.
 - I. Junction point for multilayer laminated board (MLB) connection.
 - J. Denotes a bus reference point.
 - K. Blank out "TO" connector and pin.
 - L. Will cause a signal- name of three characters or less to be entered in the string list.
 - M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
 - N. Will suppress printing the wire identity in the harness string and double entry list.
 - P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

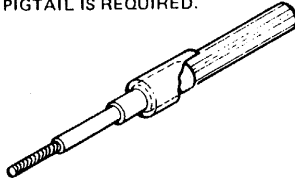
Drawing No.
 WL10281452
 Rev. F, sheet 2

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS - Continued

- Q. Will cause an equation record to be omitted from logic listing.
 - R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.
 - S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)
 - T. Twist wire code.
 - U. Not available.
 - V. See general notes or instruction pages.
 - W. Fixed wire length submitted.
 - X. Sequence of string is to be left as is.
 - Y. See general notes or instruction pages.
 - Z. Will suppress printing of the "FROM" pin.
10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.
 11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.
 - SPP - Denotes an available termination.
 - SPF - Denotes an unwired termination which has an assigned function.
 - SPW - Denotes a non-functional wire which is terminated at one or both ends.
 - SPO - Denotes a spare output of a circuit.
 - DNW - Indicates that a termination may not be wired.
 - SPA - Denotes an unassigned circuit, as one of a group on a printed circuit board.
 - SPI - Denotes a spare input of a circuit.
 - SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.
 - SPR - Denotes a spare resistor.
 - SPD - Denotes an unassigned input diode of an assigned logic gate.
 12. **Seq No.** - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.
 13. **Equation** - A mnemonic name assigned to each gate of an element.
 14. **Term** - An "OR" function composed of one or more factors.
 15. **Factor** - A specific input to a logical gate or active element.
 16. **Ckt or Chip Type** - Denotes a specific circuit board type.
 17. **Group** - Denotes a specific circuit on a printed circuit board.
 18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.
 19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.
 20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.
 21. **Signal Description** - A written description or name of a signal or voltage.
 22. **ECO No.** - A letter number combination to show the Engineering Change Order level of that particular wire list record.

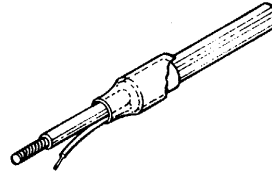
SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED,
SINGLE AND MULTIPLE CONDUCTORS,
NO PIGTAIL IS REQUIRED.



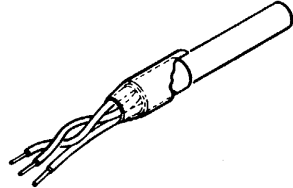
SHIELD FIGURE B

SHIELD TERMINATION FOR SHIELDED,
SINGLE AND MULTIPLE CONDUCTORS,
FRONT PIGTAIL IS REQUIRED.



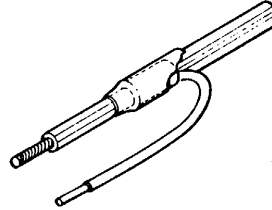
SHIELD FIGURE G

SHIELDED CABLE TERMINATION WITH DRAIN WIRE



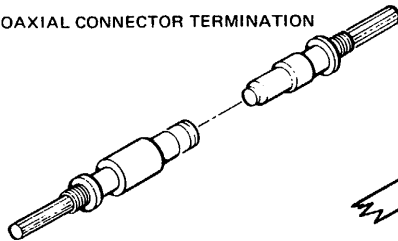
SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED,
SINGLE AND MULTIPLE CONDUCTORS,
A REAR PIGTAIL IS REQUIRED.



SHIELD FIGURE Z

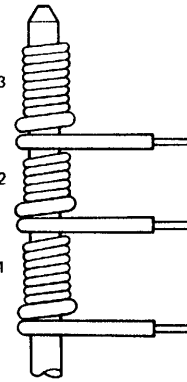
COAXIAL CONNECTOR TERMINATION



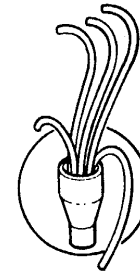
SHIELD FIGURE NO. 3

SHIELD FIGURE NO. 2

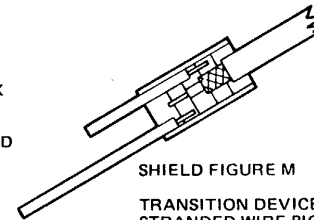
SHIELD FIGURE NO. 1



SHIELD FIGURE NUMBER
INDICATES LEVEL OF WIRE WRAP



SHIELD FIGURE X
SHIELDED WIRE
PIGTAILS-HYBRID



SHIELD FIGURE M
TRANSITION DEVICE WITH
STRANDED WIRE PIGTAILS

SHIELD FIGURE N

TRANSITION DEVICE WITH
SOLID WIRE PIGTAILS

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV. **F**
 DATE **09-01-82**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1117	TQ2	F3	35A	HBBARA	00	=		
J1117	TQ2	F3	34B	(69)	01		HBB070V HBBIER 65 34B 74 35B	
J1117	TQ2	F4	39A	HBBASA	00	=		
J1117	TQ2	F4	37A	(80)	01		HBB07A HBBIER 76 37A 78 38A	
J1140	TDD	MI	36A	HBBA7I	00	=		
				()	01		SPI019 71 36A	
J1140	TDD	MN	34A	HBBA7N	00	=		
				()	01		SPI017 72 34A	
J1140	TDD	MP	35A	HBBA7P	00	=		
J1140	TDD	MP	36B	(69)	01		HBBARA 73 36B	
J1140	TDD	HQ	35B	HBBA7Q	00	=		
J1140	TDD	HQ	34B	(74)	01		HBBASA 65 34B	
J1117	TQ2	E2	28A	HBBBRA	00	=		
J1117	TQ2	E2	29A	(60)	01		HBBIER HB21BAV 62 29A 64 30A	
J1117	TQ2	E1	31A	HBBBSA	00	=		
J1117	TQ2	E1	32A	(66)	01		HB21B0V HBBIER 68 32A 70 33A	
J1105	TDD	BI	03B	HBBB7I	00	=		
				()	01		SPI006 05 03B	
J1105	TDD	BN	02B	HBBB7N	00	=		
				()	01		SPI007 01 02B	
J1105	TDD	BP	04B	HBBB7P	00	=		
J1105	TDD	BP	04A	(09)	01		HBBBRA 04 04A	
J1105	TDD	BQ	03A	HBBB7Q	00	=		
J1105	TDD	BQ	02A	(07)	01		HBBBSA 03 02A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
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REV. **F**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1126	TT3	D2	23B	HBBIER	00		
J1126	TT3	D2	22B	(43)	01	HBBIES HBSTOP HBRBAV 41 22B 46 21A 48 22A	
J1107	TT3	A1	04A	HBBIES	00		
J1107	TT3	A1	05A	(04)	01	HBST5P HBST2P HBBIER 06 05A 08 06A 10 07A	
J1117	TQ2	C2	15A	HBBP1A	00		
J1117	TQ2	C2	16A	(30)	01	HBACK10V HBLAMA 34 16A 36 17A	
J1117	TQ2	C3	16B	HBBP2A	00		
J1117	TQ2	C3	14B	(33)	01	HBACK20V HBLAMA 29 16B 31 15B	
J1117	TQ2	C4	16B	HBBP3A	00		
J1117	TQ2	C4	17B	(39)	01	HBACK30V HBLAMA 35 17B 37 18B	
J1127	THI	B5	10B	HBB01AV	00		
J1127	THI	B5	11B	(19)	01	HBB27S 21 11B	
J1113	TQ2	A1	05A	HBB02A	00		
J1113	TQ2	A1	06A	(06)	01	HB20AAV HBBB7P 08 06A 10 07A	
J1127	THI	B6	12B	HBB03AV	00		
J1127	THI	B6	13B	(26)	01	HBB29S 27 13B	
J1128	TQ2	B2	09A	HBB04A	00		
J1128	TQ2	B2	10A	(14)	01	HBBB7Q HBB31S 18 10A 20 11A	
J1126	TT3	E3	33B	HBB05A	00		
J1126	TT3	E3	30B	(63)	01	HBB31S HBB33Q HBBB7P 57 30B 59 31B 61 32B	
J1126	TT3	F1	36B	HBB06A	00		
J1126	TT3	F1	37B	(73)	01	HBBB7P HBB27S HB20AAV 75 37B 77 38B 79 39B	
J1128	TQ2	B1	12A	HBB07A	00		
J1128	TQ2	B1	13A	(22)	01	HBBOPNAV HB2180V 24 13A 26 14A	

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DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER WL10281452
UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
FILE IDENT TSQ3MTSL

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1116	THI	F5	36A	HBB070V	00	=		
J1116	THI	F5	37A	(78)	01		HBB07A 76 37A	
J1126	TT3	F2	35B	HBB08A	00	=		
J1126	TT3	F2	34B	(74)	01		HBB20AAV HBB29S HBBB7P 65 34B 71 36A 72 34A	
J1126	TT3	F3	39A	HBB09A	00	=		
J1126	TT3	F3	35A	(80)	01		HBB31S HBB35Q HBBB7P 69 35A 76 37A 78 38A	
J1127	THI	C4	14B	HBB10AV	00	=		
J1127	THI	C4	15B	(30)	01		HBB33Q 29 15B	
J1113	TQ2	A2	02B	HBB11A	00	=		
J1113	TQ2	A2	04A	(01)	01		HBB31S HBBB7P 04 04A 05 03B	
J1127	THI	C5	16B	HBB12AV	00	=		
J1127	THI	C5	17B	(31)	01		HBB35Q 33 17B	
J1128	TQ2	B3	10B	HBB130	00	=		
J1128	TQ2	B3	08B	(21)	01		HBB27S HBB29S 17 08B 19 09B	
J1128	TQ2	B4	13B	HBB140	00	=		
J1128	TQ2	B4	11B	(27)	01		HBB33Q HBB35Q 23 11B 25 12B	
J1113	TQ2	A3	04B	HBB15A	00	=		
J1113	TQ2	A3	02A	(09)	01		HBB130 HBB140 03 02A 07 03A	PROBE+ CONN
J1128	TQ2	A1	05A	HBB210	00	=		
J1128	TQ2	A1	06A	(06)	01		HBB01AV HBB02A 08 06A 10 07A	
J1128	TQ2	A2	02B	HBB220	00	=		
J1128	TQ2	A2	04A	(01)	01		HBB02A HBB03AV 04 04A 05 03B	
J1135	TT3	E3	33B	HBB230	00	=		
J1135	TT3	E3	30B	(63)	01		HBB04A HBB05A HBB06A 57 30B 59 31B 61 32B	

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DRAWING NUMBER **HL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV. **F**
 DATE **09-01-82**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1135	TT3	F2	35B	HBB240	00	=		
J1135	TT3	F2	34B	(74)	01		HBB47Q HBB08A HB 809A 65 34B 71 36A 72 24A	
J1128	TQ2	A3	04B	HBB250	00	=		
J1128	TQ2	A3	02A	(09)	01		HBB10AV HBB11A 03 02A 07 03A	
J1128	TQ2	A4	07B	HBB260	00	=		
J1128	TQ2	A4	05B	(15)	01		HBB11A HBB12AV 11 05B 13 06B	
J1117	TQ2	D1	24A	HBB27A	00	=		
J1117	TQ2	D1	25A	(52)	01		HC01A01 HBB37AV 54 25A 56 26A	
J1109	TT3	B3	13B	HBB27R	00	=		
J1109	TT3	B3	10B	(27)	01		HBB27S HBB28A SPI017 21 10B 23 11B 25 12B	
J1103	TQ2	C2	15A	HBB27S	00	=		
J1103	TQ2	C2	16A	(30)	01		HBB27A HBB27R 34 16A 36 17A	
J1117	TQ2	D4	27B	HBB28A	00	=		
J1117	TQ2	D4	25B	(51)	01		HBB37AV HBB390V 47 25B 49 26B	
J1128	TQ2	F3	35A	HBB29A	00	=		
J1128	TQ2	F3	34B	(69)	01		HC01B01 HBB37AV 65 34B 74 35B	
J1109	TT3	C2	15B	HBB29R	00	=		
J1109	TT3	C2	14B	(31)	01		HBB29S HBB30A SPI017 29 14B 30 15A 34 16A	
J1103	TQ2	C3	16B	HBB29S	00	=		
J1103	TQ2	C3	14B	(33)	01		HBB29A HBB29R 29 14B 31 15B	
J1128	TQ2	F4	39A	HBB30A	00	=		
J1128	TQ2	F4	37A	(80)	01		HBB37AV HBB400V 76 37A 78 38A	
J1109	TT3	C3	19B	HBB31A	00	=		
J1109	TT3	C3	16B	(39)	01		HC20A01 HBB37AV SPI017 33 16B 35 17B 37 18B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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 DATE **09-01-82**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1109	TT3	C1	17A	HBB31R	00	=		
J1109	TT3	C1	18A	(36)	01		HBB31S HBB32A SPI017 38 18A 40 19A 42 20A	
J1103	TQ2	C1	18A	HBB31S	00	=		
J1103	TQ2	C1	19A	(38)	01		HBB31A HBB31R 40 19A 42 20A	
J1103	TQ2	B3	10B	HBB32A	00	=		
J1103	TQ2	B3	08B	(21)	01		HBB37AV HBB410V 17 08B 19 09B	
J1103	TQ2	C4	17B	HBB33A	00	=		
J1103	TQ2	C4	17B	(39)	01		HBB38AV HC40A01 35 17B 37 18B	
				HBB33I	00	=		
J1105	TDD	DI	10A	()	01		SPI006 18 10A	
				HBB33N	00	=		
J1105	TDD	DN	09A	()	01		SPI007 14 09A	
J1105	TDD	DP	10B	HBB33P	00	=	SPO	
J1105	TDD	DP	11A	(21)	01		HBB34A 20 11A	
J1105	TDD	DQ	09B	HBB33Q	00	=		
J1105	TDD	DQ	08B	(19)	01		HBB33A 17 08B	
J1103	TQ2	E1	31A	HBB34A	00	=		
J1103	TQ2	E1	32A	(66)	01		HBB38AV HBB420V 68 32A 70 33A	
J1109	TT3	F2	35B	HBB35A	00	=		
J1109	TT3	F2	34B	(74)	01		HBB38AV HC40B01 SPI017 65 34B 71 36A 72 36A	
				HBB35I	00	=		
J1105	TDD	CI	13A	()	01		SPI003 24 13A	
				HBB35N	00	=		
J1105	TDD	CN	14A	()	01		SPI010 26 14A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TEST DESIGNATOR	FACTOR	COMMENT
J1105	TDD CP 11B	HBB35P	00	#		
J1105	TDD CP 12A	(23)	01	#	HBB36A 22 12A	
J1105	TDD CQ 12B	HBB35Q	00	#		
J1105	TDD CQ 13B	(25)	01	#	HBB35A 27 13B	
J1109	TT3 F3 39A	HBB36A	00	#		
J1109	TT3 F3 35A	(80)	01	#	HBB38AV HBB430V SPI017 69 35A 76 37A 78 38A	
J1112	THI F3 34B	HBB37AV	00	#		
J1112	THI F3 35B	(70)	01	#	HBBIES 69 35B	
J1112	THI D1 25A	HBB38AV	00	#		
J1112	THI D1 26A	(54)	01	#	HBBIES 52 26A	
J1116	THI F2 36B	HBB390V	00	#		
J1116	THI F2 37B	(71)	01	#	HC01A01 73 37B	
J1116	THI F4 34A	HBB400V	00	#		
J1116	THI F4 35A	(72)	01	#	HC01B01 74 35A	
J1116	THI F6 38A	HBB410V	00	#		
J1116	THI F6 39A	(77)	01	#	HC20A01 75 39A	
J1104	THI D5 24B	HBB420V	00	#		
J1104	THI D5 25B	(43)	01	#	HC40A01 45 25B	
J1112	THI E2 36B	HBB430V	00	#		
J1112	THI F2 37B	(71)	01	#	HC40B01 73 37B	
J1133	THI E5 30B	HBB510V	00	#		
J1133	THI E5 31B	(57)	01	#	HBB15A 59 31B	
J1107	TT3 F3 39A	HBB52A	00	#		
J1107	TT3 F3 35A	(80)	01	#	HBB51Q HBB510V HBSVIA 69 35A 76 37A 78 38A	

DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DENOMINATOR	FACTOR	COMMENT
J1113	TQ2	E1	31A	HBB53A	00 =		
J1113	TQ2	E1	32A	(66)	01	HBS51A HBB530 68 32A 70 33A	
J1142	TQ2	F1	37B	HBB530	00 =		
J1142	TQ2	F1	38B	(75)	01	HBS880 HBB52A 77 38B 79 39B	
J1128	TQ2	E1	31A	HBCASA	00 =		
J1128	TQ2	E1	32A	(66)	01	HAFTBQ HBCSMS 68 32A 70 33A	
				HBCA1B1	00 =		
J1124	R05	A1	T01	()	01	HBC1A1V 15 T01	
J1124	R05	B1	T09	()	02 +	HBC2A1V 38 T09	
J1124	R05	C1	T17	()	03 +	HBC3A1V 62 T17	
J1123	R05	A1	T01	()	04 +	HBC4A1V 15 T01	
J1123	R05	B1	T09	()	05 +	HBC5A1V 38 T09	
J1123	R05	C1	T17	()	06 +	HBC6A1V 62 T17	
J1122	R05	A1	T01	()	07 +	HBC7A1V 15 T01	
J1122	R05	B1	T09	()	08 +	HBC8A1V 38 T09	
J1122	R05	C1	T17	()	09 +	HBC9A1V 62 T17	
				HBCA2B1	00 =		
J1124	R05	A2	T02	()	01	HBC1A2V 18 T02	
J1124	R05	B2	T10	()	02 +	HBC2A2V 40 T10	
J1124	R05	C2	T18	()	03 +	HBC3A2V 64 T18	
J1123	R05	A2	T02	()	04 +	HBC4A2V 18 T02	
J1123	R05	B2	T10	()	05 +	HBC5A2V 40 T10	
J1123	R05	C2	T18	()	06 +	HBC6A2V 64 T18	
J1122	R05	A2	T02	()	07 +	HBC7A2V 18 T02	
J1122	R05	B2	T10	()	08 +	HBC8A2V 40 T10	
J1122	R05	C2	T18	()	09 +	HBC9A2V 64 T18	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCA381**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
				HBCA381	00	#		
J1124	R05	A3	T03	()	01		HBC1A3V 20 T03	
J1124	R05	B3	T11	()	02	+	HBC2A3V 42 T11	
J1124	R05	C3	T19	()	03	+	HBC3A3V 66 T19	
J1123	R05	A3	T03	()	04	+	HBC4A3V 20 T03	
J1123	R05	B3	T11	()	05	+	HBC5A3V 42 T11	
J1123	R05	C3	T19	()	06	+	HBC6A3V 66 T19	
J1122	R05	A3	T03	()	07	+	HBC7A3V 20 T03	
J1122	R05	B3	T11	()	08	+	HBC8A3V 42 T11	
J1122	R05	C3	T19	()	09	+	HBC9A3V 66 T19	
				HBCA481	00	#		
J1124	R05	A4	T04	()	01		HBC1A4V 22 T04	
J1124	R05	B4	T12	()	02	+	HBC2A4V 46 T12	
J1124	R05	C4	T21	()	03	+	HBC3A4V 68 T21	
J1123	R05	A4	T04	()	04	+	HBC4A4V 22 T04	
J1123	R05	B4	T12	()	05	+	HBC5A4V 46 T12	
J1123	R05	C4	T21	()	06	+	HBC6A4V 68 T21	
J1122	R05	A4	T04	()	07	+	HBC7A4V 22 T04	
J1122	R05	B4	T12	()	08	+	HBC8A4V 46 T12	
J1122	R05	C4	T21	()	09	+	HBC9A4V 68 T21	
				HBCA581	00	#		
J1124	R05	A5	T05	()	01		HBC1A5V 24 T05	
J1124	R05	B5	T13	()	02	+	HBC2A5V 48 T13	
J1124	R05	C5	T20	()	03	+	HBC3A5V 70 T20	
J1123	R05	A5	T05	()	04	+	HBC4A5V 24 T05	
J1123	R05	B5	T13	()	05	+	HBC5A5V 48 T13	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	ROSETT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1123	R05	C5	T20	()	06	+	HBC6A5V	
J1122	R05	A5	T05	()	07	+	70 T20 HBC7A5V	
J1122	R05	B5	T13	()	08	+	24 T05 HBC8A5V	
J1122	R05	C5	T20	()	09	+	48 T13 HBC9A5V 70 T20	
J1124	R05	A6	T06	HBCA6B1 ()	00	=	HBC1A6V	
J1124	R05	B6	T14	()	02	+	26 T06 HBC2A6V	
J1124	R05	C6	T22	()	03	+	50 T14 HBC3A6V	
J1123	R05	A6	T06	()	04	+	72 T22 HBC4A6V	
J1123	R05	B6	T14	()	05	+	26 T06 HBC5A6V	
J1123	R05	C6	T22	()	06	+	50 T14 HBC6A6V	
J1122	R05	A6	T06	()	07	+	72 T22 HBC7A6V	
J1122	R05	B6	T14	()	08	+	26 T06 HBC8A6V	
J1122	R05	C6	T22	()	09	+	50 T14 HBC9A6V 72 T22	
J1124	R05	A7	T07	HBCA7B1 ()	00	=	HBC1A7V	
J1124	R05	B7	T15	()	02	+	29 T07 HBC2A7V	
J1124	R05	C7	T23	()	03	+	52 T15 HBC3A7V	
J1123	R05	A7	T07	()	04	+	74 T23 HBC4A7V	
J1123	R05	B7	T15	()	05	+	29 T07 HBC5A7V	
J1123	R05	C7	T23	()	06	+	52 T15 HBC6A7V	
J1122	R05	A7	T07	()	07	+	74 T23 HBC7A7V	
J1122	R05	B7	T15	()	08	+	29 T07 HBC8A7V	
J1122	R05	C7	T23	()	09	+	52 T15 HBC9A7V 74 T23	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERMINAL	TEST POINT	FACTOR	COMMENT
				HBCA881	00	*		
J1124	R05	A8	T08	()	01		HBC1A8V 34 T08	
J1124	R05	B8	T16	()	02	+	HBC2A8V 54 T16	
J1124	R05	C8	T24	()	03	+	HBC3A8V 76 T24	
J1123	R05	A8	T08	()	04	+	HBC4A8V 34 T08	
J1123	R05	B8	T16	()	05	+	HBC5A8V 54 T16	
J1123	R05	C8	T24	()	06	+	HBC6A8V 76 T24	
J1122	R05	A8	T08	()	07	+	HBC7A8V 34 T08	
J1122	R05	B8	T16	()	08	+	HBC8A8V 54 T16	
J1122	R05	C8	T24	()	09	+	HBC9A8V 76 T24	
				HBCB1B1	00	*		
J1121	R05	A1	T01	()	01		HBC1B1V 15 T01	
J1121	R05	B1	T09	()	02	+	HBC2B1V 38 T09	
J1121	R05	C1	T17	()	03	+	HBC3B1V 62 T17	
J1120	R05	A1	T01	()	04	+	HBC4B1V 15 T01	
J1120	R05	B1	T09	()	05	+	HBC5B1V 38 T09	
J1120	R05	C1	T17	()	06	+	HBC6B1V 62 T17	
J1119	R05	A1	T01	()	07	+	HBC7B1V 15 T01	
J1119	R05	B1	T09	()	08	+	HBC8B1V 38 T09	
J1119	R05	C1	T17	()	09	+	HBC9B1V 62 T17	
				HBCB2B1	00	*		
J1121	R05	A2	T02	()	01		HBC1B2V 18 T02	
J1121	R05	B2	T10	()	02	+	HBC2B2V 40 T10	
J1121	R05	C2	T18	()	03	+	HBC3B2V 64 T18	
J1120	R05	A2	T02	()	04	+	HBC4B2V 18 T02	
J1120	R05	B2	T10	()	05	+	HBC5B2V 40 T10	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCB281**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1120	R05	C2	T18	()	06 +	HBC6B2V 64 T18	
J1119	R05	A2	T02	()	07 +	HBC7B2V 18 T02	
J1119	R05	B2	T10	()	08 +	HBC8B2V 40 T10	
J1119	R05	C2	T18	()	09 +	HBC9B2V 64 T18	
J1121	R05	A3	T03	HBCB3B1 ()	00 = 01	HBC1B3V 20 T03	
J1121	R05	B3	T11	()	02 +	HBC2B3V 42 T11	
J1121	R05	C3	T19	()	03 +	HBC3B3V 66 T19	
J1120	R05	A3	T03	()	04 +	HBC4B3V 20 T03	
J1120	R05	B3	T11	()	05 +	HBC5B3V 42 T11	
J1120	R05	C3	T19	()	06 +	HBC6B3V 66 T19	
J1119	R05	A3	T03	()	07 +	HBC7B3V 20 T03	
J1119	R05	B3	T11	()	08 +	HBC8B3V 42 T11	
J1119	R05	C3	T19	()	09 +	HBC9B3V 66 T19	
J1121	R05	A4	T04	HBCB4B1 ()	00 = 01	HBC1B4V 22 T04	
J1121	R05	B4	T12	()	02 +	HBC2B4V 46 T12	
J1121	R05	C4	T21	()	03 +	HBC3B4V 68 T21	
J1120	R05	A4	T04	()	04 +	HBC4B4V 22 T04	
J1120	R05	B4	T12	()	05 +	HBC5B4V 46 T12	
J1120	R05	C4	T21	()	06 +	HBC6B4V 68 T21	
J1119	R05	A4	T04	()	07 +	HBC7B4V 22 T04	
J1119	R05	B4	T12	()	08 +	HBC8B4V 46 T12	
J1119	R05	C4	T21	()	09 +	HBC9B4V 68 T21	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCB581**
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CONNECTOR	GROUP	TEST POINTS AND/OR	EQUATION	TERMIN	DESIGNATOR	FACTOR	COMMENT
			HBCB581	00	-		
J1121	R05	A5 T05	()	01	HBC185V 24 T05		
J1121	R05	B5 T13	()	02	HBC285V 48 T13		
J1121	R05	C5 T20	()	03	HBC385V 70 T20		
J1120	R05	A5 T05	()	04	HBC485V 24 T05		
J1120	R05	B5 T13	()	05	HBC585V 48 T13		
J1120	R05	C5 T20	()	06	HBC685V 70 T20		
J1119	R05	A5 T05	()	07	HBC785V 24 T05		
J1119	R05	B5 T13	()	08	HBC885V 48 T13		
J1119	R05	C5 T20	()	09	HBC985V 70 T20		
			HBCB681	00	-		
J1121	R05	A6 T06	()	01	HBC186V 24 T06		
J1121	R05	B6 T14	()	02	HBC286V 50 T14		
J1121	R05	C6 T22	()	03	HBC386V 72 T22		
J1120	R05	A6 T06	()	04	HBC486V 24 T06		
J1120	R05	B6 T14	()	05	HBC586V 50 T14		
J1120	R05	C6 T22	()	06	HBC686V 72 T22		
J1119	R05	A6 T06	()	07	HBC786V 24 T06		
J1119	R05	B6 T14	()	08	HBC886V 50 T14		
J1119	R05	C6 T22	()	09	HBC986V 72 T22		
			HBCB781	00	-		
J1121	R05	A7 T07	()	01	HBC187V 29 T07		
J1121	R05	B7 T15	()	02	HBC287V 52 T15		
J1121	R05	C7 T23	()	03	HBC387V 74 T23		
J1120	R05	A7 T07	()	04	HBC487V 29 T07		
J1120	R05	B7 T15	()	05	HBC587V 52 T15		

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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UNIT ASSEMBLY NO. 10281452
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIG- NATION	FACTOR	COMMENT
J1120	R05	C7	T2B	()	06 +	HBC6B7V 74 T23	
J1119	R05	A7	T07	()	07 +	HBC7B7V 29 T07	
J1119	R05	B7	T15	()	08 +	HBC8B7V 52 T15	
J1119	R05	C7	T2B	()	09 +	HBC9B7V 74 T23	
J1121	R05	A8	T0B	()	00 = 01	HBC8B8V 34 T08	
J1121	R05	B8	T16	()	02 +	HBC2B8V 54 T16	
J1121	R05	C8	T24	()	03 +	HBC3B8V 76 T24	
J1120	R05	A8	T0B	()	04 +	HBC4B8V 34 T08	
J1120	R05	B8	T16	()	05 +	HBC5B8V 54 T16	
J1120	R05	C8	T24	()	06 +	HBC6B8V 76 T24	
J1119	R05	A8	T0B	()	07 +	HBC7B8V 34 T08	
J1119	R05	B8	T16	()	08 +	HBC8B8V 54 T16	
J1119	R05	C8	T24	()	09 +	HBC9B8V 76 T24	
J1104	THI	D3	21A	HBCCP0V	00 =		
J1104	THI	D3	22A	(48)	01	HBTE3A 50 22A	
J1116	THI	E6	32B	HBCCRAV	00 =		
J1116	THI	E6	33B	(68)	01	SPT01B 65 33B	
J1105	TDD	HI	22A	HBCCTI	00 = 01	HBCR2Q 48 22A	
J1105	TDD	HN	21A	HBCCTN	00 = 01	HBTE1A 46 21A	
J1105	TDD	HP	24B	HBCCTP	00 =		
J1105	TDD	HP	23A	(45)	01	HBCV8AV 50 23A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	WIRING TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1105	TDD	HQ	23B	HBCCTQ	00			
J1105	TDD	HQ	22B	(43)	01	SPI010 41 22B		
				HBCCTI	00			
J1140	TDD	EI	19A	()	01	HBCB7B1 40 19A		
				HBCCTN	00			
J1140	TDD	EN	20A	()	01	HBCCP0V 42 20A		
J1140	TDD	EP	17B	HBCCTP	00			
J1140	TDD	EP	18A	(35)	01	HBRM10V 38 18A		
J1140	TDD	EQ	18B	HBCCTQ	00			
J1140	TDD	EQ	19B	(37)	01	SPI014 39 19B		
J1108	DBC	E1	34A	HBCGA1U	00			
J1108	DBC	E1	33B	(70)	01	HBGNI0V SPI015 SPI014 HBGN30V HBCCTQ 71 33B 73 34B 75 35B 77 36B 80 38B		
J1108	DBC	E2	35A	HBCGA2U	00			
J1108	DBC	E2	32A	(72)	01	HBCG20 69 32A		
J1108	DBC	E3	36A	HBCGA3U	00			
J1108	DBC	E3	37B	(74)	01	SPI016 79 37B		
J1108	DBC	E4	37A	HBCGA4U	00			
J1108	DBC	E4	38A	(76)	01	SPI017 78 38A		
J1108	DBC	E5	33A	HBCGA5U	00			
J1108	DBC	E5	32B	(68)	01	HBF8KAV 66 32B		
J1125	DBC	E1	34A	HBCG81U	00			
J1125	DBC	E1	33B	(70)	01	SPI018 SPI016 HBGN30V SPI017 HBCCTQ 71 33B 73 34B 75 35B 77 36B 80 38B		
J1125	DBC	E2	35A	HBCG82U	00			
J1125	DBC	E2	32A	(72)	01	HBCG20 69 32A		

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1125	DBC	E3	36A	HBCGB3U	00	=		
J1125	DBC	E3	37B	(74)	01		HBCGA5U 79 37B	
J1125	DBC	E4	37A	HBCGB4U	00	=		
J1125	DBC	E4	38A	(76)	01		HBCS2A 78 38A	
J1125	DBC	E5	33A	HBCGB5U	00	=		
J1125	DBC	E5	32B	(68)	01		HBF8KAV 66 32B	
J1113	TQ2	E3	30B	HBCGCA	00	=		(72 -SHIFT COMP)**
J1113	TQ2	E3	28B	(57)	01		HBCGB5U HBCGA5U 53 28B 55 29B	
J1104	THI	E6	32B	HBCGDVAV	00	=		LOAD*
J1104	THI	E6	33B	(68)	01		HBCCTP 65 33B	
J1104	THI	E5	30B	HBCGEAV	00	=		SHIFT*
J1104	THI	E5	31B	(57)	01		HBCCTQ 59 31B	
J1117	TQ2	F1	37B	HBCGFA	00	=		
J1117	TQ2	F1	38B	(75)	01		HBCGFO HBCGCA 77 38B 79 39B	
J1103	TQ2	E3	30B	HBCGE0	00	=		
J1103	TQ2	E3	28B	(57)	01		HBTETA HBCS2A 53 28B 55 29B	
J1103	TQ2	E4	33B	HBCG20	00	=		
J1103	TQ2	E4	31B	(63)	01		HBTETA HBCS2A 59 31B 61 32B	
J1131	R05	B1	T09	HBCID1V	00	=		HBCI081 BUSS
J1131	R05	B1		(38)	01		HBB210 37	
J1131	R05	B2	T10	HBCID2V	00	=		HBCI181 BUSS
J1131	R05	B2		(40)	01		HBB220 39	
J1131	R05	B3	T11	HBCID3V	00	=		HBCI281 BUSS
J1131	R05	B3		(42)	01		HBB230 41	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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 DATE **09-01-82**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1131	R05	B4	T12	HBCID4V	00	=		
J1131	R05	B4		(46)	01		HBB240 49	HBCI381 BUSS
J1131	R05	B5	T13	HBCID5V	00	=		
J1131	R05	B5		(48)	01		HBB250 51	HBCI481 BUSS
J1131	R05	B6	T14	HBCID6V	00	=		
J1131	R05	B6		(50)	01		HBB260 53	HBCI581 BUSS
J1131	R05	B7	T15	HBCID7V1	00	=		
J1131	R05	B7		(52)	01		HBKC1Q 45	
J1131	R05	B8	T16	HBCID8V1	00	=		
J1131	R05	B8		(54)	01		HBKC1Q 47	
				HBCI081	00	=		
J1131	R05	B1	T09	()	01		HBCID1V 38 T09	
J1137	TLD	B1	12A	()	02	+	HB C01D 22 12A	
				HBCI181	00	=		
J1131	R05	B2	T10	()	01		HBCID2V 40 T10	
J1137	TLD	B2	09A	()	02	+	HBC02D 14 09A	
				HBCI281	00	=		
J1131	R05	B3	T11	()	01		HBCID3V 42 T11	
J1137	TLD	B3	10B	()	02	+	HBC04D 21 10B	
				HBCI381	00	=		
J1131	R05	B4	T12	()	01		HBCID4V 46 T12	
J1137	TLD	B4	13B	()	02	+	HBC08D 27 13B	
				HBCI481	00	=		
J1131	R05	B5	T13	()	01		HBCID5V 48 T13	
J1137	TLD	C3	16B	()	02	+	HBC16D 33 16B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCI5B1**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
				HBCI5B1	00 =		
J1131	R05	B6	T14	()	01	HBCID6V	
J1137	TLD	C4	19B	()	02 +	HBC32D 39 19B	
J1134	TQ2	F4	39A	HBCKBA	00 =		
J1134	TQ2	F4	37A	(80)	01	HBCK70V HBLHLOV 76 37A 78 38A	
J1116	THI	E2	30A	HBCK10V	00 =		
J1116	THI	E2	31A	(63)	01	HBCWM17 61 31A	
J1116	THI	E3	28A	HBCK20V	00 =		
J1116	THI	E3	29A	(60)	01	HBCWM2T 62 29A	
J1116	THI	E4	28B	HBCK30V	00 =		
J1116	THI	E4	29B	(56)	01	HBCWM3T 55 29B	
J1116	THI	E5	30B	HBCK40V	00 =		
J1116	THI	E5	31B	(57)	01	HBCWM4T 59 31B	
J1141	THI	A6	06B	HBCK50V	00 =		
J1141	THI	A6	07B	(10)	01	HBCWM5T 15 07B	
J1141	THI	B3	09A	HBCK60V	00 =		
J1141	THI	B3	10A	(18)	01	HBCWM6T 20 10A	
J1127	THI	F1	38B	HBCK70V	00 =		
J1127	THI	F1	39B	(80)	01	HBCWM7T 79 39B	
J1142	TQ2	E4	33B	HBCPAA	00 =		
J1142	TQ2	E4	31B	(63)	01	HBLHLOV HBCK50V 59 31B 61 32B	
J1142	TQ2	A4	07B	HBCPOA	00 =		
J1142	TQ2	A4	05B	(15)	01	HBLHLOV HBCK60V 11 05B 13 06B	
J1117	TQ2	A1	05A	HBCP1A	00 =		
J1117	TQ2	A1	06A	(06)	01	HBWAV0V HBLHLOV 08 06A 10 07A	(TOD NEG CP)

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCP2A**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1117	TQ2	A2	02B	HBCP2A	00 =		
J1117	TQ2	A2	04A	(01)	01	HBMW0V HBLAMA 04 04A 05 03B	(TJK POS CP)
J1117	TQ2	A3	04B	HBCP3A	00 =		
J1117	TQ2	A3	02A	(09)	01	HBMW0V HBLHLOV 03 02A 07 03A	(SR NEG CP)
J1117	TQ2	A4	07B	HBCP4A	00 =		
J1117	TQ2	A4	05B	(15)	01	HBMW0V HBLAMA 11 05B 13 06B	(652 POS CP)
J1117	TQ2	B1	12A	HBCP5A	00 =		
J1117	TQ2	B1	13A	(22)	01	HBMW0V HBLAMA 24 13A 26 14A	(MEM POS EP)
J1117	TQ2	B2	09A	HBCP6A	00 =		
J1117	TQ2	B2	10A	(14)	01	HBMW0V HBLAMA 18 10A 20 11A	(MEM/606 POS CP)
J1117	TQ2	B3	10B	HBCP7A	00 =		
J1117	TQ2	B3	08B	(21)	01	HBMW0V HBLAMA 17 08B 19 09B	(606 POS CP)
J1117	TQ2	B4	13B	HBCP8A	00 =		
J1117	TQ2	B4	11B	(27)	01	HBMW0V HBLAMA 23 11B 25 12B	
J1117	TQ2	C1	18A	HBCP9A	00 =		
J1117	TQ2	C1	19A	(38)	01	HBMW0V HBLHLOV 40 19A 42 20A	(602 NEG CP)
J1140	TDD	DI	10A	HBCR1I	00 =		
J1140	TDD	DI	10A	()	01	HBCID7V1 18 10A	
J1140	TDD	DN	09A	HBCR1N	00 =		
J1140	TDD	DN	09A	()	01	HBTIAOV 14 09A	
J1140	TDD	DP	10B	HBCR1P	00 =		
J1140	TDD	DP	11A	(21)	01	HBCTRAV 20 11A	
J1140	TDD	DQ	09B	HBCR1Q	00 =		
J1140	TDD	DQ	08B	(19)	01	SPI017 17 08B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATION	FACTOR	COMMENT
				HBCR2I	00 =		
J1130	TDD	DI	10A	()	01	HBCR1Q 18 10A	
				HBCR2N	00 =		
J1130	TDD	DN	09A	()	01	HBT1A0V 14 09A	
J1130	TDD	DP	10B	HBCR2P	00 =		
J1130	TDD	DP	11A	(21)	01	HBCTRAV 20 11A	
J1130	TDD	DQ	09B	HBCR2Q	00 =		
J1130	TDD	DQ	08B	(19)	01	SPI017 17 08B	
J1113	TQ2	E4	33B	HBCSC0	00 =		
J1113	TQ2	E4	31B	(63)	01	SPI009 HBCASA 59 31B 61 32B	
J1126	TT3	E2	29B	HBCSMR	00 =		
J1126	TT3	E2	28B	(55)	01	HBCSMS HBJAGAV HBCTRAV 53 28B 60 28A 62 29A	
J1135	TT3	F3	39A	HBCSMS	00 =		
J1135	TT3	F3	35A	(80)	01	HBFB1P HBCSSA HBCSMR 69 35A 76 37A 78 38A	
J1126	TT3	A3	07B	HBCSSA	00 =		SELF TEST START PULSE
J1126	TT3	A3	04B	(15)	01	HBCID7V1 HBCR1Q HBCR2P 09 04B 11 05B 13 06B	
J1137	TLD	E3	30B	HBCSTD6	00 =		SELF TEST COMP
J1137	TLD	E3	28B	(57)	01	HBCSTS SPI020 53 28B 55 29B	
J1126	TT3	E1	30A	HBCSTR	00 =		
J1126	TT3	E1	31A	(64)	01	HBCSTS SPI018 HBFB0AV 66 31A 68 32A 70 33A	
J1128	TQ2	E3	30B	HBCSTS	00 =		
J1128	TQ2	E3	28B	(57)	01	HBCTSA HBCSTR 53 28B 55 29B	
J1113	TQ2	F1	37B	HBCS2A	00 =		
J1113	TQ2	F1	38B	(75)	01	HBCCK20 HBCCTQ 77 38B 79 39B	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG. NOTATION	FACTOR	COMMENT
J1125	DBC	C1	18A	HBCTD1U	00			
J1125	DBC	C1	18B	(38)	01		SPI018 SPI016 SPI017 SPI014 SPI006 39 18B 41 19B 43 22B 45 23B 50 24A	
J1125	DBC	C2	19A	HBCTD2U	00			
J1125	DBC	C2	17B	(40)	01		HBCSCO 37 17B	
J1125	DBC	C3	20A	HBCTD3U	00			
J1125	DBC	C3	23A	(42)	01		SPI007 47 23A	
J1125	DBC	C4	21A	HBCTD4U	00			
J1125	DBC	C4	22A	(46)	01		SPI008 48 22A	
J1125	DBC	C5	17A	HBCTD5U	00			
J1125	DBC	C5	16B	(36)	01		HBCTRAV 35 16B	
J1115	DBC	D1	26A	HBCTE1U	00			
J1115	DBC	D1	26B	(54)	01		SPI015 SPI016 SPI017 SPI014 SPI006 53 26B 55 27B 57 29B 59 30B 63 31A	
J1115	DBC	D2	28B	HBCTE2U	00			
J1115	DBC	D2	25B	(56)	01		HBCSCO 51 25B	
J1115	DBC	D3	28A	HBCTE3U	00			
J1115	DBC	D3	31B	(60)	01		HBCD5U 61 31B	
J1115	DBC	D4	29A	HBCTE4U	00			
J1115	DBC	D4	30A	(62)	01		SPI007 64 30A	
J1115	DBC	D5	25A	HBCTE5U	00			
J1115	DBC	D5	24B	(52)	01		HBCTRAV 49 24B	
J1127	THI	C1	19A	HBCTRAV	00			
J1127	THI	C1	20A	(40)	01		HBST7P 38 20A	
J1132	TSB	C1	17B	HBC TSA	00			
J1132	TSB	C1	15A	(35)	01		HBCTD1U HBCTD3U HBCT6AV HBCT2AV HBCTE1U HBCTD4U HBCSCO SPI020 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCT1AV**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1133	THI	A3	03A	HBCT1AV	00	=		
J1133	THI	A3	02A	(03)	01		HBCTD1U 06 02A	
J1133	THI	A4	02B	HBCT2AV	00	=		
J1133	THI	A4	03B	(01)	01		HBCTD2U 05 03B	
J1133	THI	A5	04B	HBCT3AV	00	=		
J1133	THI	A5	05B	(07)	01		HBCTD3U 09 05B	
J1133	THI	A6	06B	HBCT4AV	00	=		
J1133	THI	A6	07B	(10)	01		HBCTD4U 15 07B	
J1133	THI	B2	11A	HBCT5AV	00	=		
J1133	THI	B2	12A	(25)	01		HBCTE1U 23 12A	
J1133	THI	B3	09A	HBCT6AV	00	=		
J1133	THI	B3	10A	(18)	01		HBCTE2U 20 10A	
J1104	THI	E4	28B	HBCVRAV	00	=		
J1104	THI	E4	29B	(56)	01		HBCVRO 55 29B	
J1103	TQ2	F1	37B	HBCVRO	00	=		
J1103	TQ2	F1	38B	(75)	01		HBCGCA HBFBCAV 77 38B 79 39B	
J1141	THI	F5	36A	HBCWA0V	00	=		
J1141	THI	F5	37A	(78)	01		HAENER 76 37A	
J1110	TS4	F1	37B	HBCWDOE	00	=		
J1110	TS4	F1	35B	(75)	01		HBCB3B1 SPI016 71 35B 73 36B	
J1110	TS4	F2	39B	HBCWD1E	00	=		
J1110	TS4	F2	34B	(79)	01		HBCB4B1 HBCCRAV 69 34B 74 36A	
J1110	TS4	F3	39A	HBCWD2E	00	=		
J1110	TS4	F3	34A	(80)	01		HBCB5B1 SPI007 70 34A 78 38A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBCWD3E**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1110	TS4	F4	37A	HBCWD3E	00		
J1110	TS4	F4	35A	(76)	01	HBCB6B1 HBTE3A 72 35A 77 38B	
J1125	DBC	B1	12A	HBCWN0T	00		
J1125	DBC	B1	10A	(24)	01	HBCWD2E 20 10A	
J1125	DBC	B2	13A	HBCWN1T	00		
J1125	DBC	B2	11A	(26)	01	HBCWD3E 22 11A	
J1125	DBC	B3	14A	HBCWN2T	00		
J1125	DBC	B3	09B	(27)	01	HBC3Q 19 09B	
J1125	DBC	B4	15A	HBCWN3T	00		
J1125	DBC	B4	10B	(30)	01	HBC3RAV 21 10B	
J1125	DBC	B5	16A	HBCWN4T	00		
J1125	DBC	B5		(33)	01	SPA 4T	
J1125	DBC	B6	11B	HBCWN5T	00		
J1125	DBC	B6		(23)	01	SPA 5T	
J1125	DBC	B7	12B	HBCWN6T	00		
J1125	DBC	B7		(25)	01	SPA 6T	
J1125	DBC	B8	13B	HBCWN7T	00		
J1125	DBC	B8		(29)	01	SPA 7T	
J1125	DBC	B9	14B	HBCWN8T	00		
J1125	DBC	B9		(31)	01	SPA 8T	
J1125	DBC	B0	15B	HBCWN9T	00		
J1125	DBC	B0		(34)	01	SPA 9T	
J1137	TLD	B1	12A	HBC01D	00		
J1137	TLD	B1	13A	(22)	01	HBCID7V1 HBC11AV 24 13A 26 14A	HBC10B1 BUSS

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1137	TLD	B2	09A	HBC02D	00	=		
J1137	TLD	B2	10A	(14)	01		HBC1D7V1 HBCT2AV 18 10A 20 11A	HBC1181 BUSS
J1137	TLD	B3	10B	HBC04D	00	=		
J1137	TLD	B3	08B	(21)	01		HBC1D7V1 HBCT3AV 17 08B 19 09B	HBC1281 BUSS
J1137	TLD	B4	13B	HBC08D	00	=		
J1137	TLD	B4	11B	(27)	01		HBC1D7V1 HBCT4AV 23 11B 25 12B	HBC1381 BUSS
J1124	RO5	A1	T01	HBC1A1V	00	=		
J1124	RO5	A1		(15)	01		HBYA10V 13	HBCA181 BUSS
J1124	RO5	A2	T02	HBC1A2V	00	=		
J1124	RO5	A2		(18)	01		HBYA20V 17	HBCA281 BUSS
J1124	RO5	A3	T03	HBC1A3V	00	=		
J1124	RO5	A3		(20)	01		HBYA30V 19	HBCA381 BUSS
J1124	RO5	A4	T04	HBC1A4V	00	=		
J1124	RO5	A4		(22)	01		HBYA40V 25	HBCA481 BUSS
J1124	RO5	A5	T05	HBC1A5V	00	=		
J1124	RO5	A5		(24)	01		HBYA50V 27	HBCA581 BUSS
J1124	RO5	A6	T06	HBC1A6V	00	=		
J1124	RO5	A6		(26)	01		HBYA60V 31	HBCA681 BUSS
J1124	RO5	A7	T07	HBC1A7V	00	=		
J1124	RO5	A7		(29)	01		HBK000V 21	HBCA781 BUSS
J1124	RO5	A8	T08	HBC1A8V	00	=		
J1124	RO5	A8		(34)	01		HBK000V 23	HBCA881 BUSS
J1121	RO5	A1	T01	HBC1B1V	00	=		
J1121	RO5	A1		(15)	01		HBYB10V 13	HBCB181 BUSS

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1121	R05	A2	T02	HBC182V	00 =		
J1121	R05	A2		(18)	01	HBYB20V 17	HBCB2B1 BUSS
J1121	R05	A3	T03	HBC183V	00 =		
J1121	R05	A3		(20)	01	HBYB30V 19	HBCB3B1 BUSS
J1121	R05	A4	T04	HBC184V	00 =		
J1121	R05	A4		(22)	01	HBYB40V 25	HBCB4B1 BUSS
J1121	R05	A5	T05	HBC185V	00 =		
J1121	R05	A5		(24)	01	HBYB50V 27	HBCB5B1 BUSS
J1121	R05	A6	T06	HBC186V	00 =		
J1121	R05	A6		(26)	01	HBYB60V 31	HBCB6B1 BUSS
J1121	R05	A7	T07	HBC187V	00 =		
J1121	R05	A7		(29)	01	HBK000V 21	HBCB7B1 BUSS
J1121	R05	A8	T08	HBC188V	00 =		
J1121	R05	A8		(34)	01	HBK000V 23	HBCB8B1 BUSS
J1137	TLD	C3	14B	HBC160	00 =		
J1137	TLD	C3	14B	(33)	01	HBCID7V1 HBC75AV 29 14B 31 15B	HBC14B1 BUSS
J1124	R05	B1	T09	HBC2A1V	00 =		
J1124	R05	B1		(38)	01	HBYA10V 37	HBCA1B1 BUSS
J1124	R05	B2	T10	HBC2A2V	00 =		
J1124	R05	B2		(40)	01	HBYA20V 39	HBCA2B1 BUSS
J1124	R05	B3	T11	HBC2A3V	00 =		
J1124	R05	B3		(42)	01	HBYA30V 41	HBCA3B1 BUSS
J1124	R05	B4	T12	HBC2A4V	00 =		
J1124	R05	B4		(46)	01	HBYA40V 49	HBCA4B1 BUSS

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. F INDEX **HBC2A5V**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS	EQUATION	TERM	RESISTANCE	FACTOR	COMMENT
			AND OR					
J1124	R05	B5	T13	HBC2A5V	00	=	HBCA5B1	BUSS
J1124	R05	B5		(48)	01		HBYA50V 51	
J1124	R05	B6	T14	HBC2A6V	00	=	HBCA6B1	BUSS
J1124	R05	B6		(50)	01		HBYA60V 53	
J1124	R05	B7	T15	HBC2A7V	00	=	HBCA7B1	BUSS
J1124	R05	B7		(52)	01		HBK010V 45	
J1124	R05	B8	T16	HBC2A8V	00	=	HBCA8B1	BUSS
J1124	R05	B8		(54)	01		HBK010V 47	
J1121	R05	B1	T09	HBC2B1V	00	=	HBCB1B1	BUSS
J1121	R05	B1		(38)	01		HBYP10V 37	
J1121	R05	B2	T10	HBC2B2V	00	=	HBCB2B1	BUSS
J1121	R05	B2		(40)	01		HBYP20V 39	
J1121	R05	B3	T11	HBC2B3V	00	=	HBCB3B1	BUSS
J1121	R05	B3		(42)	01		HBYP30V 41	
J1121	R05	B4	T12	HBC2B4V	00	=	HBCB4B1	BUSS
J1121	R05	B4		(46)	01		HBYP40V 49	
J1121	R05	B5	T13	HBC2B5V	00	=	HBCB5B1	BUSS
J1121	R05	B5		(48)	01		HBYP50V 51	
J1121	R05	B6	T14	HBC2B6V	00	=	HBCB6B1	BUSS
J1121	R05	B6		(50)	01		HBYP60V 53	
J1121	R05	B7	T15	HBC2B7V	00	=	HBCB7B1	BUSS
J1121	R05	B7		(52)	01		HBK010V 45	
J1121	R05	B8	T16	HBC2B8V	00	=	HBCB8B1	BUSS
J1121	R05	B8		(54)	01		HBK010V 47	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBC3A1V**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	TEST POINT	FACTOR	COMMENT
J1124	R05	C1	T17	HBC3A1V	00	=		
J1124	R05	C1		(62)	01		HB YA10V 60	HBCA181 BUSS
J1124	R05	C2	T18	HBC3A2V	00	=		
J1124	R05	C2		(64)	01		HB YA20V 59	HBCA281 BUSS
J1124	R05	C3	T19	HBC3A3V	00	=		
J1124	R05	C3		(66)	01		HB YA30V 61	HBCA381 BUSS
J1124	R05	C4	T21	HBC3A4V	00	=		
J1124	R05	C4		(68)	01		HB YA40V 69	HBCA481 BUSS
J1124	R05	C5	T20	HBC3A5V	00	=		
J1124	R05	C5		(70)	01		HB YA50V 71	HBCA581 BUSS
J1124	R05	C6	T22	HBC3A6V	00	=		
J1124	R05	C6		(72)	01		HB YA60V 73	HBCA681 BUSS
J1124	R05	C7	T23	HBC3A7V	00	=		
J1124	R05	C7		(74)	01		HBK020V 63	HBCA781 BUSS
J1124	R05	C8	T24	HBC3A8V	00	=		
J1124	R05	C8		(76)	01		HBK020V 65	HBCA881 BUSS
J1121	R05	C1	T17	HBC381V	00	=		
J1121	R05	C1		(62)	01		HB YB10V 60	HBCB181 BUSS
J1121	R05	C2	T18	HBC382V	00	=		
J1121	R05	C2		(64)	01		HB YB20V 59	HBCB281 BUSS
J1121	R05	C3	T19	HBC383V	00	=		
J1121	R05	C3		(66)	01		HB YB30V 61	HBCB381 BUSS
J1121	R05	C4	T21	HBC384V	00	=		
J1121	R05	C4		(68)	01		HB YB40V 69	HBCB481 BUSS

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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 FILE IDENT TSQ3MTSL

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	TERMINAL NUMBER	FACTOR	COMMENT
J1121	R05	C5	T20	HBC385V	00	=		
J1121	R05	C5		(70)	01		HBYB50V 71	HBCB581 BUSS
J1121	R05	C6	T22	HBC386V	00	=		
J1121	R05	C6		(72)	01		HBYB60V 73	HBCB681 BUSS
J1121	R05	C7	T23	HBC387V	00	=		
J1121	R05	C7		(74)	01		HBK020V 63	HBCB781 BUSS
J1121	R05	C8	T26	HBC388V	00	=		
J1121	R05	C8		(76)	01		HBK020V 65	HBCB881 BUSS
J1137	TLD	C4	19B	HBC32D	00	=		
J1137	TLD	C4	17B	(39)	01		HBC1D7V1 HBCT6AV 35 17R 37 18R	HBC1581 BUSS
J1123	R05	A1	T01	HBC4A1V	00	=		
J1123	R05	A1		(15)	01		HBYA10V 13	HBCA181 BUSS
J1123	R05	A2	T02	HBC4A2V	00	=		
J1123	R05	A2		(18)	01		HBYA20V 17	HBCA281 BUSS
J1123	R05	A3	T03	HBC4A3V	00	=		
J1123	R05	A3		(20)	01		HBYA30V 19	HBCA381 BUSS
J1123	R05	A4	T04	HBC4A4V	00	=		
J1123	R05	A4		(22)	01		HBYA40V 25	HBCA481 BUSS
J1123	R05	A5	T05	HBC4A5V	00	=		
J1123	R05	A5		(24)	01		HBYA50V 27	HBCA581 BUSS
J1123	R05	A6	T06	HBC4A6V	00	=		
J1123	R05	A6		(26)	01		HBYA60V 31	HBCA681 BUSS
J1123	R05	A7	T07	HBC4A7V	00	=		
J1123	R05	A7		(29)	01		HBK030V 21	HBCA781 BUSS

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

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 DATE 09-01-82

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1123	R05	A8	T08	HBC4A8V	00		
J1123	R05	A8		(34)	01	HBK030V 23	HBCA881 BUSS
J1120	R05	A1	T01	HBC4B1V	00		
J1120	R05	A1		(15)	01	HB YB10V 13	HBCB101 BUSS
J1120	R05	A2	T02	HBC4B2V	00		
J1120	R05	A2		(18)	01	HB YB20V 17	HBCB201 BUSS
J1120	R05	A3	T03	HBC4B3V	00		
J1120	R05	A3		(20)	01	HB YB30V 19	HBCB301 BUSS
J1120	R05	A4	T04	HBC4B4V	00		
J1120	R05	A4		(22)	01	HB YB40V 25	HBCB401 BUSS
J1120	R05	A5	T05	HBC4B5V	00		
J1120	R05	A5		(24)	01	HB YB50V 27	HBCB501 BUSS
J1120	R05	A6	T06	HBC4B6V	00		
J1120	R05	A6		(26)	01	HB YB60V 31	HBCB601 BUSS
J1120	R05	A7	T07	HBC4B7V	00		
J1120	R05	A7		(29)	01	HBK030V 21	HBCB701 BUSS
J1120	R05	A8	T08	HBC4B8V	00		
J1120	R05	A8		(34)	01	HBK030V 23	HBCB801 BUSS
J1123	R05	B1	T09	HBC5A1V	00		
J1123	R05	B1		(38)	01	HB YA10V 37	HBCA101 BUSS
J1123	R05	B2	T10	HBC5A2V	00		
J1123	R05	B2		(40)	01	HB YA20V 39	HBCA201 BUSS
J1123	R05	B3	T11	HBC5A3V	00		
J1123	R05	B3		(42)	01	HB YA30V 41	HBCA301 BUSS

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. F INDEX **HBC5A4V**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1123	R05	B4	T12	HBC5A4V	00	=	HBCA481	BUSS
J1123	R05	B4		(46)	01		HBYA40V 49	
J1123	R05	B5	T13	HBC5A5V	00	=	HBCA581	BUSS
J1123	R05	B5		(48)	01		HBYA50V 51	
J1123	R05	B6	T14	HBC5A6V	00	=	HBCA681	BUSS
J1123	R05	B6		(50)	01		HBYA60V 53	
J1123	R05	B7	T15	HBC5A7V	00	=	HBCA781	BUSS
J1123	R05	B7		(52)	01		HBK040V 45	
J1123	R05	B8	T16	HBC5A8V	00	=	HBCA881	BUSS
J1123	R05	B8		(54)	01		HBK040V 47	
J1120	R05	B1	T09	HBC5B1V	00	=	HBC8181	BUSS
J1120	R05	B1		(38)	01		HBYB10V 37	
J1120	R05	B2	T10	HBC5B2V	00	=	HBC8281	BUSS
J1120	R05	B2		(40)	01		HBYB20V 39	
J1120	R05	B3	T11	HBC5B3V	00	=	HBC8381	BUSS
J1120	R05	B3		(42)	01		HBYB30V 41	
J1120	R05	B4	T12	HBC5B4V	00	=	HBC8481	BUSS
J1120	R05	B4		(46)	01		HBYB40V 49	
J1120	R05	B5	T13	HBC5B5V	00	=	HBC8581	BUSS
J1120	R05	B5		(48)	01		HBYB50V 51	
J1120	R05	B6	T14	HBC5B6V	00	=	HBC8681	BUSS
J1120	R05	B6		(50)	01		HBYB60V 53	
J1120	R05	B7	T15	HBC5B7V	00	=	HBC8781	BUSS
J1120	R05	B7		(52)	01		HBK040V 45	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV. **F**
 DATE **09-01-82**

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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TERM	TERMINATOR	FACTOR	COMMENT
J1120	R05 B8	T16	HBC588V	00			
J1120	R05 B8		(54)	01		HBK040V 47	HBCB081 BUSS
J1123	R05 C1	T17	HBC6A1V	00			
J1123	R05 C1		(62)	01		HBYA10V 60	HBCA101 BUSS
J1123	R05 C2	T18	HBC6A2V	00			
J1123	R05 C2		(64)	01		HBYA20V 69	HBCA201 BUSS
J1123	R05 C3	T19	HBC6A3V	00			
J1123	R05 C3		(66)	01		HBYA30V 61	HBCA301 BUSS
J1123	R05 C4	T21	HBC6A4V	00			
J1123	R05 C4		(68)	01		HBYA40V 69	HBCA401 BUSS
J1123	R05 C5	T20	HBC6A5V	00			
J1123	R05 C5		(70)	01		HBYA50V 71	HBCA501 BUSS
J1123	R05 C6	T22	HBC6A6V	00			
J1123	R05 C6		(72)	01		HBYA60V 73	HBCA601 BUSS
J1123	R05 C7	T23	HBC6A7V	00			
J1123	R05 C7		(74)	01		HBK050V 63	HBCA701 BUSS
J1123	R05 C8	T24	HBC6A8V	00			
J1123	R05 C8		(76)	01		HBK050V 65	HBCA801 BUSS
J1120	R05 C1	T17	HBC6B1V	00			
J1120	R05 C1		(62)	01		HBYB10V 60	HBCB101 BUSS
J1120	R05 C2	T18	HBC6B2V	00			
J1120	R05 C2		(64)	01		HBYB20V 59	HBCB201 BUSS
J1120	R05 C3	T19	HBC6B3V	00			
J1120	R05 C3		(66)	01		HBYB30V 61	HBCB301 BUSS

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

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 DATE 09-01-82

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1120	R05	C4	T21	HBC6B4V	00	=		
J1120	R05	C4		(68)	01		HBYB40V 69	HBC8481 BUSS
J1120	R05	C5	T20	HBC6B5V	00	=		
J1120	R05	C5		(70)	01		HBYB50V 71	HBC8581 BUSS
J1120	R05	C6	T22	HBC6B6V	00	=		
J1120	R05	C6		(72)	01		HBYB60V 73	HBC8681 BUSS
J1120	R05	C7	T23	HBC6B7V	00	=		
J1120	R05	C7		(74)	01		HBK050V 63	HBC8781 BUSS
J1120	R05	C8	T24	HBC6B8V	00	=		
J1120	R05	C8		(76)	01		HBK050V 65	HBC8881 BUSS
J1122	R05	A1	T01	HBC7A1V	00	=		
J1122	R05	A1		(15)	01		HBYA10V 13	HBCA181 BUSS
J1122	R05	A2	T02	HBC7A2V	00	=		
J1122	R05	A2		(18)	01		HBYA20V 17	HBCA281 BUSS
J1122	R05	A3	T03	HBC7A3V	00	=		
J1122	R05	A3		(20)	01		HBYA30V 19	HBCA381 BUSS
J1122	R05	A4	T04	HBC7A4V	00	=		
J1122	R05	A4		(22)	01		HBYA40V 25	HBCA481 BUSS
J1122	R05	A5	T05	HBC7A5V	00	=		
J1122	R05	A5		(24)	01		HBYA50V 27	HBCA581 BUSS
J1122	R05	A6	T06	HBC7A6V	00	=		
J1122	R05	A6		(26)	01		HBYA60V 31	HBCA681 BUSS
J1122	R05	A7	T07	HBC7A7V	00	=		
J1122	R05	A7		(29)	01		HBK060V 21	HBCA781 BUSS

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

REV. **F**
 DATE **09-01-82**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1122	R05	A8	T08	HBC7A8V	00		
J1122	R05	A8		(34)	01	HBK060V 23	HBCA801 BUSS
J1119	R05	A1	T01	HBC7B1V	00		
J1119	R05	A1		(15)	01	HBYB10V 13	HBCB101 BUSS
J1119	R05	A2	T02	HBC7B2V	00		
J1119	R05	A2		(18)	01	HBYB20V 17	HBCB201 BUSS
J1119	R05	A3	T03	HBC7B3V	00		
J1119	R05	A3		(20)	01	HBYB30V 19	HBCB301 BUSS
J1119	R05	A4	T04	HBC7B4V	00		
J1119	R05	A4		(22)	01	HBYB40V 25	HBCB401 BUSS
J1119	R05	A5	T05	HBC7B5V	00		
J1119	R05	A5		(24)	01	HBYB50V 27	HBCB501 BUSS
J1119	R05	A6	T06	HBC7B6V	00		
J1119	R05	A6		(26)	01	HBYB60V 31	HBCB601 BUSS
J1119	R05	A7	T07	HBC7B7V	00		
J1119	R05	A7		(29)	01	HBK060V 21	HBCB701 BUSS
J1119	R05	A8	T08	HBC7B8V	00		
J1119	R05	A8		(34)	01	HBK060V 23	HBCB801 BUSS
J1122	R05	B1	T09	HBC8A1V	00		
J1122	R05	B1		(38)	01	HBYA10V 37	HBCA101 BUSS
J1122	R05	B2	T10	HBC8A2V	00		
J1122	R05	B2		(40)	01	HBYA20V 39	HBCA201 BUSS
J1122	R05	B3	T11	HBC8A3V	00		
J1122	R05	B3		(42)	01	HBYA30V 41	HBCA301 BUSS

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

REV. F
 DATE 09-01-82

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CONNECTOR	CIRCUIT POINT	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1122	R05 B4	T12		HBC8A4V	00 =		HBCA4B1 BUSS
J1122	R05 B4			(46)	01	HB YA40V 49	
J1122	R05 B5	T13		HBC8A5V	00 =		HBCA5B1 BUSS
J1122	R05 B5			(48)	01	HB YA50V 51	
J1122	R05 B6	T14		HBC8A6V	00 =		HBCA6B1 BUSS
J1122	R05 B6			(50)	01	HB YA60V 53	
J1122	R05 B7	T15		HBC8A7V	00 =		HBCA7B1 BUSS
J1122	R05 B7			(52)	01	HBK070V 45	
J1122	R05 B8	T16		HBC8A8V	00 =		HBCA8B1 BUSS
J1122	R05 B8			(54)	01	HBK070V 47	
J1119	R05 B1	T09		HBC8B1V	00 =		HBCB1B1 BUSS
J1119	R05 B1			(38)	01	HB YB10V 37	
J1119	R05 B2	T10		HBC8B2V	00 =		HBCB2B1 BUSS
J1119	R05 B2			(40)	01	HB YB20V 39	
J1119	R05 B3	T11		HBC8B3V	00 =		HBCB3B1 BUSS
J1119	R05 B3			(42)	01	HB YB30V 41	
J1119	R05 B4	T12		HBC8B4V	00 =		HBCB4B1 BUSS
J1119	R05 B4			(46)	01	HB YB40V 49	
J1119	R05 B5	T13		HBC8B5V	00 =		HBCB5B1 BUSS
J1119	R05 B5			(48)	01	HB YB50V 51	
J1119	R05 B6	T14		HBC8B6V	00 =		HBCB6B1 BUSS
J1119	R05 B6			(50)	01	HB YB60V 53	
J1119	R05 B7	T15		HBC8B7V	00 =		HBCB7B1 BUSS
J1119	R05 B7			(52)	01	HBK070V 45	

DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

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 DATE 09-01-82

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1119	R05	B8	T16	HBC888V	00 #		HBC8881 BUSS
J1119	R05	B8		(54)	01	HBK070V 67	
J1122	R05	C1	T17	HBC9A1V	00 #		HBCA1B1 BUSS
J1122	R05	C1		(62)	01	HBYA10V 60	
J1122	R05	C2	T18	HBC9A2V	00 #		HBCA2B1 BUSS
J1122	R05	C2		(64)	01	HBYA20V 59	
J1122	R05	C3	T19	HBC9A3V	00 #		HBCA3B1 BUSS
J1122	R05	C3		(66)	01	HBYA30V 61	
J1122	R05	C4	T20	HBC9A4V	00 #		HBCA4B1 BUSS
J1122	R05	C4		(68)	01	HBYA40V 69	
J1122	R05	C5	T20	HBC9A5V	00 #		HBCA5B1 BUSS
J1122	R05	C5		(70)	01	HBYA50V 71	
J1122	R05	C6	T22	HBC9A6V	00 #		HBCA6B1 BUSS
J1122	R05	C6		(72)	01	HBYA60V 73	
J1122	R05	C7	T23	HBC9A7V	00 #		HBCA7B1 BUSS
J1122	R05	C7		(74)	01	HBK080V 63	
J1122	R05	C8	T24	HBC9A8V	00 #		HBCA8B1 BUSS
J1122	R05	C8		(76)	01	HBK080V 65	
J1119	R05	C1	T17	HBC9B1V	00 #		HBCB1B1 BUSS
J1119	R05	C1		(62)	01	HBYB10V 60	
J1119	R05	C2	T18	HBC9B2V	00 #		HBCB2B1 BUSS
J1119	R05	C2		(64)	01	HBYB20V 59	
J1119	R05	C3	T19	HBC9B3V	00 #		HBCB3B1 BUSS
J1119	R05	C3		(66)	01	HBYB30V 61	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBC9B4V**
 FILE IDENT **TSQ3MTSL** DATE **09-01-82** PAGE **39**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1119	R05	C4	T21	HBC9B4V	00	=		
J1119	R05	C4		(68)	01		HBYB40V 69	HBC8481 BUSS
J1119	R05	C5	T20	HBC9B5V	00	=		
J1119	R05	C5		(70)	01		HBYB50V 71	HBC8581 BUSS
J1119	R05	C6	T22	HBC9B6V	00	=		
J1119	R05	C6		(72)	01		HBYB60V 73	HBC8681 BUSS
J1119	R05	C7	T23	HBC9B7V	00	=		
J1119	R05	C7		(74)	01		HBK080V 63	HBC8781 BUSS
J1119	R05	C8	T24	HBC9B8V	00	=		
J1119	R05	C8		(76)	01		HBK080V 65	HBC8881 BUSS
J1104	THI	E3	28A	HBEVSAV	00	=		
J1104	THI	E3	29A	(60)	01		HBEVSO 62 29A	
J1142	TQ2	E3	30B	HBEVSO	00	=		
J1142	TQ2	E3	28B	(57)	01		WSTDTA HBTCS01 53 28B 55 29B	
J1141	THI	A5	05B	HBFABA0V	00	=		PICK PROBE RELAY
J1141	THI	A5	05B	(07)	01		HBFABA 09 05B	
J1135	TT3	A2	03A	HBFABA	00	=		
J1135	TT3	A2	02B	(07)	01		WSTDTA SPI020 HBCI481 01 02B 03 02A 05 03B	
J1137	TLD	F2	34A	HBFABD1	00	=		
J1137	TLD	F2	36A	(72)	01		SPI020 HBFACS 71 36A 73 36B	
J1142	TQ2	F4	39A	HBFACA	00	=		
J1142	TQ2	F4	37A	(80)	01		HBFACS HBWAYAV 76 37A 78 38A	
J1137	TLD	F1	37B	HBFACD1	00	=		
J1137	TLD	F1	38B	(75)	01		HBFABA0V HBFACS 77 38B 79 39B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBFACR**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1135	TT3	A1	05A	HBFACR	00	#		
J1135	TT3	A1	05A	(04)	01		HBFACS HBFKAV HBST9P 06 05A 08 06A 10 07A	
J1134	TQ2	A1	05A	HBEACS	00	#		
J1134	TQ2	A1	06A	(106)	01		HBST5P HBFACR 08 06A 10 07A	
J1141	THI	B2	11A	HBEACOV	00	#		
J1141	THI	B2	12A	(25)	01		HBFACA 23 12A	
J1137	TLD	A1	05A	HBEADD1	00	#		
J1137	TLD	A1	06A	(106)	01		HBFACR SPIO20 08 06A 10 07A	PICK R/R
J1126	TT3	B3	13B	HBEAEO	00	#		
J1126	TT3	B3	10B	(27)	01		HBST5P HBST9P HBST1P 21 10B 23 11B 25 12B	
J1109	TT3	A1	04A	HBEAGA	00	#		
J1109	TT3	A1	05A	(104)	01		HBFA12E HBFAHOV HACWAA 06 05A 08 06A 10 07A	
J1141	THI	B1	13A	HBFAGOV	00	#		
J1141	THI	B1	14A	(24)	01		HBFA13E 22 14A	
J1112	THI	D3	21A	HBEATAV	00	#		
J1112	THI	D3	22A	(148)	01		HBST3P 50 22A	
J1134	TQ2	B3	10B	HBEAJR	00	#		
J1134	TQ2	B3	08B	(21)	01		HBFKAV HBFAJS 17 08B 19 09B	
J1142	TQ2	B1	12A	HBEAJS	00	#		
J1142	TQ2	B1	13A	(22)	01		HBFAJR HBFALA 24 13A 26 14A	10C ERR #1 CKT
J1134	TQ2	B4	13B	HBEAKR	00	#		
J1134	TQ2	B4	11B	(27)	01		HBFAKS HBFKAV 23 11B 25 12B	10C ERR #2 CKT
J1142	TQ2	B2	09A	HBEAKS	00	#		
J1142	TQ2	B2	10A	(14)	01		HBFAKR HBFASA 18 10A 20 11A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBFALA**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	TEST POINT	FACTOR	COMMENT
J1126	TT3	A2	03A	HBFALA	00	=		
J1126	TT3	A2	02B	(07)	01		HBFAPOV HBFAMR HBTE40V 01 02B 03 02A 05 03B	
J1135	TT3	B1	11A	HBFAMR	00	=		
J1135	TT3	B1	12A	(20)	01		HBFAMS HBTE2A HBFKAV 22 12A 24 13A 26 14A	
J1134	TQ2	B1	12A	HBFAMS	00	=		
J1134	TQ2	B1	13A	(22)	01		HBFANA HBFAMR 24 13A 26 14A	
J1142	TQ2	A2	02B	HBFANA	00	=		
J1142	TQ2	A2	04A	(01)	01		HBFAPOV HCFI01A 04 04A 05 03B	
J1141	TH1	A1	06A	HBFAPOV	00	=		
J1141	TH1	A1	07A	(13)	01		HBFAVA 11 07A	
J1126	TT3	B2	09B	HBFAVA	00	=		
J1126	TT3	B2	09A	(19)	01		HBCB8B1 HBWBAOV HBTD21E 14 09A 17 08B 18 10A	
J1126	TT3	A1	04A	HBFAVA	00	=		
J1126	TT3	A1	05A	(04)	01		HBFAPOV HBFATR HBTE40V 06 05A 08 06A 10 07A	
J1135	TT3	A3	07B	HBFATR	00	=		
J1135	TT3	A3	04B	(15)	01		HBFAVS HBTE2A HBFKAV 09 04B 11 05B 13 06B	
J1134	TQ2	A2	02B	HBFAVS	00	=		
J1134	TQ2	A2	04A	(01)	01		HBFAVA HBFATR 04 04A 05 03B	
J1142	TQ2	A3	04B	HBFAVA	00	=		
J1142	TQ2	A3	02A	(09)	01		HBFAPOV HCFI02A 03 02A 07 03A	
J1116	TH1	A5	04B	HBFAVA	00	=		
J1116	TH1	A5	05B	(07)	01		HBFAVO 09 05B	
J1135	TT3	E2	29B	HBFAVO	00	=		
J1135	TT3	E2	28B	(55)	01		SPI020 HBFAJR HBFAKR 53 28B 60 28A 62 29A	ERROR

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQM7SL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1116	THI	F1	38B	HBFAVAV	00	#		
J1116	THI	F1	39B	(80)	01		HBFACS 79 39B	
J1110	TS4	A1	05B	HBFA10E	00	#		
J1110	TS4	A1	03B	(07)	01		H8GN10V H8ST3Q 03 03B 05 04B	
J1110	TS4	A2	07B	HBFA11E	00	#		
J1110	TS4	A2	02B	(11)	01		H8GN20V H8FA1AV 01 02B 08 04A	
J1110	TS4	A3	07A	HBFA12E	00	#		
J1110	TS4	A3	02A	(13)	01		H8GN30V H8ST3P 04 02A 14 06A	
J1110	TS4	A4	05A	HBFA13E	00	#		
J1110	TS4	A4	03A	(10)	01		H8GN40V H85000V 06 03A 09 06B	CLOCK 574
J1141	THI	B4	08B	H8FRCVAV	00	#		
J1141	THI	B4	09B	(14)	01		H8FBEO 17 08B	(RST 3)**
J1133	THI	D5	24B	H8ERDAV	00	#		
J1133	THI	D5	25B	(43)	01		H8FBEO 45 25B	(RST 4)**
J1106	TD4	E1	31B	H8FBEO	00	#		
J1106	TD4	E1	32B	(59)	01		H8KCIQ H8FBFR H8CID8VI H8FSSO 61 32B 66 31A 68 32A 70 33A	
J1142	TQ2	B3	10B	H8FERER	00	#		
J1142	TQ2	B3	08B	(21)	01		H8DRSA1 H8FBFS 17 08B 18 09B	
J1134	TQ2	A3	04B	H8FBFS	00	#		
J1134	TQ2	A3	02A	(09)	01		H8FBFR H8DRA1 03 02A 07 03A	
J1142	TQ2	C1	18A	H8ERGR	00	#		
J1142	TQ2	C1	19A	(38)	01		H8RCSA1 H8FBGS 40 19A 42 20A	
J1134	TQ2	C3	14B	H8FBGS	00	#		
J1134	TQ2	C3	14B	(33)	01		H8FBGR H8CRA1 29 14B 31 15B	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	WIRING TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERN	DESIGNATOR	FACTOR	COMMENT
J1142	TQ2	C2	15A	HBFBHR	00	=		
J1142	TQ2	C2	16A	(30)	01		WBCCSA1 HBFBHS 34 16A 36 17A	ONE CYCLE
J1134	TQ2	C4	19B	HBFBHS	00	=		
J1134	TQ2	C4	17B	(39)	01		HBFBHR WBCRA1 35 17B 37 18B	CONT CYCLE
J1142	TQ2	C3	16B	HBFBIR	00	=		
J1142	TQ2	C3	14B	(33)	01		WBSTA1 HBFBIS 29 14B 31 15B	
J1134	TQ2	D1	24A	HBFBIS	00	=		
J1134	TQ2	D1	25A	(52)	01		HBFBIR WBSTRA1 54 25A 56 26A	SELF TEST RESTART
J1142	TQ2	C4	19B	HBFBJA	00	=		
J1142	TQ2	C4	17B	(39)	01		HBCASA HBCTRAV 35 17B 37 18B	SELF TEST RESTART PULSE
J1141	THI	C1	19A	HBFBJOV	00	=		
J1141	THI	C1	20A	(40)	01		HBFBJA 38 20A	
J1141	THI	B6	12B	HBFBKAV	00	=		
J1141	THI	B6	13B	(26)	01		HBFBEO 27 13B	(RST 5)*
J1137	TLD	D1	24A	HBFBRO1	00	=		
J1137	TLD	D1	25A	(52)	01		HBFBEO SPI020 54 25A 56 26A	
				HBFBII	00	=		
J1140	TDD	CI	13A	()	01		SPI020 24 13A	
				HBFBIN	00	=		
J1140	TDD	CN	14A	()	01		HBFBIS 26 14A	
J1140	TDD	CP	11B	HBFB1P	00	=		
J1140	TDD	CP	12A	(23)	01		HBFBJOV 22 12A	
J1140	TDD	CQ	12B	HBFB1Q	00	=		
J1140	TDD	CQ	13B	(25)	01		SPI019 27 13B	

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQM TSL

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGN FACTOR	FACTOR	COMMENT
J1128	TQ2	E4	33B	HBFRAA	00	F		
J1128	TQ2	E4	31B	(63)	01	F	HBF20 SPI018 59 31B 61 32B	
J1116	THI	E3	34B	HREBAV	00	F		
J1116	THI	F3	35B	(70)	01	F	HBF80 69 35B	
J1141	THI	C6	18B	HFRSAV	00	F		
J1141	THI	C6	19B	(42)	01	F	HFRS0 39 19B	
J1142	TQ2	B4	13B	HFRS0	00	F		
J1142	TQ2	B4	11B	(27)	01	F	HBF8DAV HBST5P 23 11B 25 12B	
J1117	TQ2	E3	30B	HFR20	00	F		
J1117	TQ2	E3	28B	(57)	01	F	HBST1AV HBST2P 53 28B 55 29B	
J1132	TS8	E1	31B	HFR80	00	F		
J1132	TS8	E1	29B	(59)	01	F	HBST3P HBST4P HBST5P HBST6P HBST7P HBST8P HBST9P HBSTOP 55 29B 60 30A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
J1117	TQ2	E4	33B	HRESS0	00	F		
J1117	TQ2	E4	31B	(63)	01	F	HBFRAA HBF8AV 59 31B 61 32B	
J1137	TLD	E4	33B	HREVS01	00	F		
J1137	TLD	E4	31B	(63)	01	F	HBEVS0 SPI020 59 31B 61 32B	
J1141	THI	C2	17A	H8GN10V	00	F		
J1141	THI	C2	18A	(37)	01	F	SPI020 35 18A	PULL DOWN 1
J1141	THI	C3	15A	H8GN20V	00	F		
J1141	THI	C3	16A	(34)	01	F	SPI020 36 16A	
J1141	THI	C4	14B	H8GN30V	00	F		
J1141	THI	C4	15B	(30)	01	F	SPI020 29 15B	
J1141	THI	C5	16B	H8GN40V	00	F		
J1141	THI	C5	17B	(31)	01	F	SPI020 33 17B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQMTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	TEST POINTS	FACTOR	COMMENT
J1114	EOR	A1	04B	HBHAAER	00	=		
J1114	EOR	A1	03B	(05)	01		HBMYB1U HBH811V1 03 03B 01 02B	
J1127	THI	A5	04B	HBHAAOV	00	=		
J1127	THI	A5	05B	(07)	01		HBHAAER 09 05B	
J1114	EOR	A2	07B	HBHABER	00	=		
J1114	EOR	A2	06B	(11)	01		HBMYB2U HBH812V1 09 06B 07 05B	
J1127	THI	A6	06B	HBHABOV	00	=		
J1127	THI	A6	07B	(10)	01		HBHABER 15 07B	
J1114	EOR	A3	07A	HBHACER	00	=		
J1114	EOR	A3	06A	(13)	01		HBMYB3U HBH813V1 14 06A 10 05A	
J1127	THI	B1	13A	HBHACOV	00	=		
J1127	THI	B1	14A	(24)	01		HBHACER 22 14A	
J1114	EOR	A4	04A	HBHADER	00	=		
J1114	EOR	A4	03A	(08)	01		HBMYB4U HBH814V1 06 03A 04 02A	
J1127	THI	B2	11A	HBHADOV	00	=		
J1127	THI	B2	12A	(25)	01		HBHADER 23 12A	
J1114	EOR	B1	10B	HBHAEER	00	=		
J1114	EOR	B1	09B	(19)	01		HBMYC1U HBH815V1 17 09B 15 08B	
J1127	THI	B3	09A	HBHAEOV	00	=		
J1127	THI	B3	10A	(18)	01		HBHAEER 20 10A	
J1114	EOR	B2	13B	HBHAFER	00	=		
J1114	EOR	B2	12B	(27)	01		HBMYC2U HBH816V1 23 12B 21 11B	
J1127	THI	B4	08B	HBHAEOV	00	=		
J1127	THI	B4	09B	(14)	01		HBHAFER 17 09B	

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1132	TS8	D1	25B	HBHAGA	00	#		
J1132	TS8	D1	23B	(47)	01		HBHAA0V HBHAB0V HBHAC0V HBHAD0V HBHAE0V HBHAF0V HBTE60V HBLAFO 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
J1128	TQ2	D2	21A	HBHAHR	00	#		
J1128	TQ2	D2	22A	(46)	01		HBHAHS HBTE5A 48 22A 50 23A	
J1134	TQ2	D4	27B	HBHAHS	00	#		CKT TEST COMP
J1134	TQ2	D4	25B	(51)	01		HBHAGA HBHAHR 47 25B 49 26B	
J1128	TQ2	D3	24B	HBHAIA	00	#		(CKT TEST COMP)
J1128	TQ2	D3	22B	(45)	01		HBHAHS HBTE80V 41 22B 43 23B	
J1127	TH1	D1	25A	HBHAIOV	00	#		ADV IC CTR
J1127	TH1	D1	26A	(54)	01		HBHAIA 52 26A	
J1131	R05	A1	T01	HBHB11V1	00	#		
J1131	R05	A1		(15)	01		HBCI0B1 13	
J1131	R05	A2	T02	HBHB12V1	00	#		
J1131	R05	A2		(18)	01		HBCI1B1 17	
J1131	R05	A3	T03	HBHB13V1	00	#		
J1131	R05	A3		(20)	01		HBCI2B1 19	
J1131	R05	A4	T04	HBHB14V1	00	#		
J1131	R05	A4		(22)	01		HBCI3B1 25	
J1131	R05	A5	T05	HBHB15V1	00	#		
J1131	R05	A5		(24)	01		HBCI4B1 27	
J1131	R05	A6	T06	HBHB16V1	00	#		
J1131	R05	A6		(26)	01		HBCI5B1 31	
J1131	R05	A7	T07	HBHB17V1	00	#		
J1131	R05	A7		(29)	01		HBRM10V 21	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1131	RO5 A8	TOB	HBH818V1	00 =		
J1131	RO5 A8		(34)	01	HBRM10V 23	
J1112	TH1 C1	19A	HB1NHAV	00 =		
J1112	TH1 C1	20A	(40)	01	HBC88B1 38 20A	
J1132	TS8 A1	05B	HBJAAO	00 =		
J1132	TS8 A1	02B	(11)	01	HCE01A HCE02A HCE03A HCE04A HCE05A HCE06A HCE07A HCE08A 01 02B 04 04A 05 03B 06 05A 07 03A 08 04A 10 07A 12 04B	
J1132	TS8 B1	11B	HBJABO	00 =		
J1132	TS8 B1	09A	(23)	01	HCE09A HCE10A HCE11A HCE12A SPI019 HBSAJA SPI021 SPI016 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
J1133	TH1 A1	06A	HBJACAV	00 =		
J1133	TH1 A1	07A	(13)	01	HBJAAO 11 07A	
J1126	TT3 D3	27B	HBJACO	00 =		
J1126	TT3 D3	24B	(51)	01	HCE17A HCE18A HCE16A 45 24B 47 25B 49 26B	
J1133	TH1 A2	04A	HBJADAV	00 =		
J1133	TH1 A2	05A	(08)	01	HBJABO 06 05A	
J1106	TD4 A2	04B	HBJAFO	00 =		
J1106	TD4 A2	02B	(09)	01	HBJACAV HBJADAV HBJBCA HBJBBA 01 02B 04 04A 05 03B 07 03A	
J1133	TH1 E4	28B	HBJAGAV	00 =		
J1133	TH1 E4	29B	(56)	01	HBJAFO 55 29B	
J1135	TT3 D3	27B	HBJAHR	00 =		
J1135	TT3 D3	24B	(51)	01	HBRCPY HBJAHS HBJBDAV 45 24B 47 25B 49 26B	
J1134	TQ2 D3	24B	HBJAHS	00 =		
J1134	TQ2 D3	22B	(45)	01	HBJAGAV HBJAHR 41 22B 43 23B	
J1135	TT3 F1	36B	HBJAIO	00 =		
J1135	TT3 F1	37B	(73)	01	HBRCPY HBJBDAV HBFBIP 75 37B 77 38B 79 39B	

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 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1141	THI	F2	36B	HB JAJAV	00	=		
J1141	THI	F2	37B	(71)	01		HB JAI0 73 37B	
				HB JAKT	00	=		
J1130	TDD	FI	16A	()	01		HB JALOV 36 16A	
				HB JAKN	00	=		
J1130	TDD	FN	15A	()	01		HB STOQ 30 15A	
J1130	TDD	FP	16B	HB JAKP	00	=		
J1130	TDD	FP	17A	(33)	01		HB JAJAV 36 17A	
J1130	TDD	FQ	15B	HB JAKQ	00	=		
J1130	TDD	FQ	14B	(31)	01		HB JPWAV 29 14B	
J1141	THI	F3	34B	HB JALOV	00	=		
J1141	THI	F3	35B	(70)	01		HB JAKQ 69 35B	
J1134	TQ2	F3	35A	HB JAMO	00	=		
J1134	TQ2	F3	34B	(69)	01		HB JAKQ HB JHR 65 34B 74 35B	
J1142	TQ2	F3	35A	HB JANO	00	=		
J1142	TQ2	F3	34B	(69)	01		HB JAS HB JAKQ 65 34B 74 35B	
J1137	TLD	D2	21A	HB JAPD1	00	=		
J1137	TLD	D2	22A	(46)	01		HB JAMO HBSTIP 48 22A 50 23A	RED PROBE
J1141	THI	B5	10B	HB JAPOV	00	=		
J1141	THI	B5	11B	(19)	01		HB JAPD1 21 11B	
J1137	TLD	D3	24B	HB JAQD6	00	=		
J1137	TLD	D3	22B	(45)	01		HB JAMO HBSTIP 41 22B 43 23B	RED FRONT PANEL
J1137	TLD	D4	27B	HB JARD1	00	=		
J1137	TLD	D4	25B	(51)	01		HB JANO HBSTIP 47 25B 49 26B	GREEN PROBE

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 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG. RATIO	FACTOR	COMMENT
J1127	THI	D5	24B	HBJAROV	00	=		
J1127	THI	D5	25B	(43)	01		HBJARD1 45 25B	601
J1137	TLD	E2	28A	HBJASD6	00	=		
J1137	TLD	E2	29A	(60)	01		HBJANO HBSTIP 62 29A 64 30A	GREEN FRONT PANEL
J1106	TD4	F1	37A	HBJBA0	00	=		
J1106	TD4	F1	37B	(76)	01		HBFAWAV HCE13A HCE14A HCE15A 75 37B 77 38B 78 38A 79 39B	
J1128	TQ2	C1	18A	HBJBBA	00	=		
J1128	TQ2	C1	19A	(38)	01		HBCR1P HBJBA0 40 19A 42 20A	
J1128	TQ2	E2	28A	HBJBBA	00	=		
J1128	TQ2	E2	29A	(60)	01		HBJACO HBCR1P 62 29A 64 30A	
J1141	THI	A2	04A	HBJBDAY	00	=		
J1141	THI	A2	05A	(08)	01		HBJBDO 06 05A	
J1107	TT3	D2	23B	HBJBDO	00	=		
J1107	TT3	D2	22B	(43)	01		HBFBFR HBKC2Q SPI003 41 22B 46 21A 48 22A	
J1134	TQ2	F2	34A	HBJPJA	00	=		
J1134	TQ2	F2	36A	(72)	01		HBJAJAV HBJAKQ 71 36A 73 36B	
J1141	THI	D1	25A	HBJPWAV	00	=		
J1141	THI	D1	26A	(54)	01		HBJPWO 52 26A	
J1128	TQ2	D1	24A	HBJPWO	00	=		
J1128	TQ2	D1	25A	(52)	01		HBJPJA HBSAJA 54 25A 56 26A	
J1137	TLD	E1	31A	HBJRC06	00	=		
J1137	TLD	E1	32A	(66)	01		HBJAKQ HBFACR 68 32A 70 33A	
J1133	THI	B6	12B	HBJ000V	00	=		
J1133	THI	B6	13B	(26)	01		HBKA10T 27 13B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1133	THI	F4	34A	HB J010V	00 =		
J1133	THI	F4	35A	(72)	01	HBKA11T 74 35A	
J1133	THI	C3	15A	HB J020V	00 =		
J1133	THI	C3	16A	(34)	01	HBKA12T 36 16A	
J1133	THI	F6	38A	HB J030V	00 =		
J1133	THI	F6	39A	(77)	01	HBKA13T 75 39A	
J1133	THI	C5	16B	HB J040V	00 =		
J1133	THI	C5	17B	(31)	01	HBKA14T 33 17B	
J1127	THI	A2	04A	HB J050V	00 =		
J1127	THI	A2	05A	(08)	01	HBKA15T 06 05A	
J1133	THI	E6	32B	HB J060V	00 =		
J1133	THI	E6	33B	(68)	01	HBKA16T 65 33B	
J1127	THI	A4	02B	HB J070V	00 =		
J1127	THI	A4	03B	(01)	01	HBKA17T 05 03B	
J1133	THI	F2	36B	HB J080V	00 =		
J1133	THI	F2	37B	(71)	01	HBKA18T 73 37B	
J1116	THI	A3	03A	HBKAAAV	00 =		
J1116	THI	A3	02A	(03)	01	HB B15A 06 02A	
J1116	THI	A4	02B	HBKABAV	00 =		
J1116	THI	A4	03B	(01)	01	HB B15A 05 03B	
J1135	TT3	B3	13B	HBKADA	00 =		
J1135	TT3	B3	10B	(27)	01	HC51M0 HC52M0 HC53M0 21 10B 23 11B 25 12B	
J1135	TT3	C2	15B	HBKAFA	00 =		
J1135	TT3	C2	14B	(31)	01	HC51L0 HC52L0 HC53L0 29 14B 30 15A 34 16A	

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DRAWING NUMBER WL10281452
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CONNECTOR	CIRCUIT LINE	GROUP	TEST POINTS AND OR	EQUATION	TERM	TEST POINT	FACTOR	COMMENT
J1133	THI	B1	13A	HBKAF0V	00	=		
J1133	THI	B1	14A	(24)	01		HBKADA 22 14A	
J1133	THI	C1	19A	HBKAG0V	00	=		
J1133	THI	C1	20A	(40)	01		HBKAEA 38 20A	
J1135	TT3	C1	17A	HBKAHA	00	=		CP FOR ST3 ST10
J1135	TT3	C1	18A	(36)	01		HBST2Q HBKAF0V HB5000V 38 18A 40 19A 42 20A	
J1135	TT3	C3	19B	HBKAJA	00	=		CP FOR ST5
J1135	TT3	C3	16B	(39)	01		HBKAG0V HB5000V HB5B40 33 16B 35 17B 37 18B	
J1135	TT3	D1	23A	HBKAKA	00	=		CP FOR ST7
J1135	TT3	D1	24A	(50)	01		HB5000V HBST6Q SPI008 52 24A 54 25A 56 26A	
J1126	TT3	D1	23A	HBKALA	00	=		
J1126	TT3	D1	24A	(50)	01		HB5000V HBST8Q SPI018 52 24A 54 25A 56 26A	
J1137	TLD	C2	15A	HBKAMD	00	=		TO 80 PIN FRONT PANEL
J1137	TLD	C2	16A	(30)	01		HBWB80V SPI020 34 16A 36 17A	
J1141	THI	F4	34A	HBKAN0V	00	=		ENABLE SENSE #2
J1141	THI	F4	35A	(72)	01		WBUS6A1 74 35A	
J1141	THI	A4	02B	HBKAPOV	00	=		ENABLE SENSE #3
J1141	THI	A4	03B	(01)	01		WBUS7A1 05 03B	
J1135	TT3	D2	23B	HBKAQR	00	=		
J1135	TT3	D2	22B	(43)	01		HBKAQS SPI018 HBST1P 41 22B 46 21A 48 22A	
J1134	TQ2	C1	18A	HBKAQS	00	=		
J1134	TQ2	C1	19A	(38)	01		HBST4P HBKAQR 40 19A 42 20A	
J1137	TLD	A2	02B	HBKARD	00	=		POWER OFF 40
J1137	TLD	A2	04A	(01)	01		HBKAQS SPI020 06 04A 05 03B	

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CONNECTOR	GROUP	TEST POINTS AND/OR	EQUATION	TERM	TEST POINTS	FACTOR	COMMENT
J1137	TLD A3	04B	HBKASD	00 =			
J1137	TLD A3	02A	(09)	01	HBKAQS SPI020 03 02A 07 03A	POWER OFF 41	
J1137	TLD A4	07B	HBKATD	00 =			
J1137	TLD A4	05B	(15)	01	HBKAQS SPI020 11 05B 13 06B	POWER OFF 42	
J1137	TLD C1	18A	HRKAUD1	00 =			
J1137	TLD C1	19A	(38)	01	HBFACR SPI020 40 18A 42 20A	CONTINUITY TEST (11)	
J1125	DBC A1	04A	HRKA10T	00 =			
J1125	DBC A1	02A	(08)	01	HBKB11V1 04 02A		
J1125	DBC A2	05A	HRKA11T	00 =			
J1125	DBC A2	03A	(10)	01	HBKB12V1 06 03A		
J1125	DBC A3	06A	HRKA12T	00 =			
J1125	DBC A3	02B	(14)	01	HBKB13V1 03 02B		
J1125	DBC A4	07A	HRKA13T	00 =			
J1125	DBC A4	03B	(13)	01	HBKB14V1 05 03B		
J1125	DBC A5	08B	HRKA14T	00 =			
J1125	DBC A5		(17)	01	SPA 4T		
J1125	DBC A6	04B	HRKA15T	00 =			
J1125	DBC A6		(07)	01	SPA 5T		
J1125	DBC A7	05B	HRKA16T	00 =			
J1125	DBC A7		(09)	01	SPA 6T		
J1125	DBC A8	06B	HRKA17T	00 =			
J1125	DBC A8		(11)	01	SPA 7T		
J1125	DBC A9	07B	HRKA18T	00 =			
J1125	DBC A9		(15)	01	SPA 8T		

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 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	TEST POINT RATIO	FACTOR	COMMENT
J1125	DBC	A0	09A	HBKA19T	00	=		
J1125	DBC	A0		(18)	01		SPA 9T	
J1131	R05	C1	T17	HBKB11V1	00	=		
J1131	R05	C1		(62)	01		HBCI0B1 60	
J1131	R05	C2	T18	HBKB12V1	00	=		
J1131	R05	C2		(64)	01		HBCI1B1 59	
J1131	R05	C3	T19	HBKB13V1	00	=		
J1131	R05	C3		(66)	01		HBCI2B1 61	
J1131	R05	C4	T21	HBKB14V1	00	=		
J1131	R05	C4		(68)	01		HBCI3B1 69	
J1131	R05	C5	T20	HBKB15V1	00	=		1 CKT PER IC
J1131	R05	C5		(70)	01		HBCI4B1 71	
J1131	R05	C6	T22	HBKB16V1	00	=		2 CKT PER IC
J1131	R05	C6		(72)	01		HBCI5B1 73	
J1131	R05	C7	T23	HBKB17V1	00	=		3 CKT PER IC
J1131	R05	C7		(74)	01		HBRM10V 63	
J1131	R05	C8	T24	HBKB18V1	00	=		4 CKT PER IC
J1131	R05	C8		(76)	01		HBRM10V 65	
J1130	TDD	AI	06A	HBKC1I ()	00	=	HBKAAAV 08 06A	
J1130	TDD	AN	07A	HBKC1N ()	00	=	HC10SP 10 07A	
J1130	TDD	AP	05B	HBKC1P (11)	00	=	HBKABAV 06 05A	
J1130	TDD	AP	05A		01			

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1130	TDD	AQ	06B	HBKC1Q	00 =		
J1130	TDD	AQ	07B	(13)	01	SPI018 15 07B	PROBE CONN DET'D
				HBKC2T	00 =		
J1140	TDD	AI	06A	()	01	HBKC1Q 08 06A	
				HBKC2N	00 =		
J1140	TDD	AN	07A	()	01	HBT1A0V 10 07A	
J1140	TDD	AP	05B	HBKC2P	00 =		
J1140	TDD	AP	05A	(11)	01	SPI020 06 05A	
J1140	TDD	AQ	06B	HBKC2Q	00 =		
J1140	TDD	AQ	07B	(13)	01	SPI019 15 07B	
J1116	THI	B5	10B	HBKC3AV	00 =		
J1116	THI	B5	11B	(19)	01	HBKC3Q 21 11B	
				HBKC3I	00 =		
J1130	TDD	BI	03B	()	01	HBKC2Q 05 03B	
				HBKC3N	00 =		
J1130	TDD	BN	02B	()	01	HBT1A0V 01 02B	
J1130	TDD	BP	04B	HBKC3P	00 =		
J1130	TDD	BP	04A	(09)	01	SPI019 06 04A	
J1130	TDD	BQ	02A	HBKC3Q	00 =		
J1130	TDD	BQ	02A	(07)	01	SPI017 03 02A	
J1133	THI	B5	10B	HBK000V	00 =		
J1133	THI	B5	11B	(19)	01	HBKA10T 21 11B	
J1133	THI	F3	34B	HBK010V	00 =		
J1133	THI	F3	35B	(70)	01	HBKA11T 69 35B	

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TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	REMARKS	FACTOR	COMMENT
4I	C2	17A	HBK020V	00 =			
4I	C2	18A	(37)	01		HBKA12T 35 18A	
4I	F5	36A	HBK030V	00 =			
4I	F5	37A	(78)	01		HBKA13T 76 37A	
4I	C4	14B	HBK040V	00 =			
4I	C4	15B	(30)	01		HBKA14T 29 15B	
4I	A1	06A	HBK050V	00 =			
4I	A1	07A	(13)	01		HBKA15T 11 07A	
4I	C6	18B	HBK060V	00 =			
4I	C6	19B	(42)	01		HBKA16T 39 19B	
4I	A3	03A	HBK070V	00 =			
4I	A3	02A	(03)	01		HBKA17T 04 02A	
4I	F1	38B	HBK080V	00 =			
4I	F1	39B	(80)	01		HBKA18T 79 39B	
Q2	D4	27B	HBLABA	00 =			
Q2	D4	25B	(51)	01		HBTE80V HBLAKQ 47 25B 49 26B	
Q2	E2	28A	HBLACO	00 =			
Q2	E2	29A	(60)	01		HBLABA HBLADA 62 29A 64 30A	
F3	E1	30A	HBLADA	00 =			
F3	E1	31A	(64)	01		HBLAKP HBCWDOE HBTE70V 66 31A 68 32A 70 33A	
D4	D1	25B	HBLAEA	00 =			
D4	D1	26B	(47)	01		HBLA15U HBLA25U HBLA35U HBLAKOV 49 26B 52 24A 54 25A 56 26A	
4I	C2	17A	HBLAEOV	00 =			
4I	C2	18A	(37)	01		HBLAEA 35 18A	

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#	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
TQ2	D1	24A	HBLAFO	(52)	00	=		
TQ2	D1	25A			01	=	HBLAEA HBLAKOV 54 25A 56 26A	
TT3	D1	23A	HBLAGA	(50)	00	=		(COMPARE DATA)**
TT3	D1	24A			01	=	HBINHAV HBTE40V HBLAFO 52 24A 54 25A 56 26A	
TQ2	D2	21A	HBLAHA	(46)	00	=		
TQ2	D2	22A			01	=	HBLAE0V HBTE60V 48 22A 50 23A	
THI	C3	15A	HBLAIAV	(34)	00	=		
THI	C3	16A			01	=	HBLAIO 36 16A	
TQ2	D4	27B	HBLAIO	(51)	00	=		
TQ2	D4	25B			01	=	HBLAHA HBFBDIV 47 25B 49 26B	
THI	C4	14B	HBLAIOV	(30)	00	=		
THI	C4	15B			01	=	HBCWD1E 29 15B	
			HBLAKI	()	00	=		
TDD	GI	25A			01	=	HBCWDOE 54 25A	
			HBLAKN	()	00	=		
TDD	GN	26A			01	=	HBTE7A 56 26A	
TDD	GP	25B	HBLAKP	(47)	00	=		TEST CLOCK IN PROGRESS
TDD	GP	24A			01	=	HBLAIAV 52 24A	
TDD	GQ	26B	HBLAKQ	(49)	00	=		
TDD	GQ	27B			01	=	SPI003 51 27B	
THI	E1	32A	HBLAKOV	(66)	00	=		
THI	E1	33A			01	=	HBLAKP 64 33A	
TT3	D2	23B	HBLAMA	(43)	00	=		
TT3	D2	22B			01	=	HBCWDOE HBCWD1E HBTE10V 41 22B 44 21A 48 23A	

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERN	DESIGNATOR	FACTOR	COMMENT
J1108	DBC	C1	18A	HBLA11U	00	=		
J1108	DBC	C1	18B	(38)	01		HBCA181 HBCA281 HBCA381 HBCA481 HBLAKQ 39 18B 41 19B 43 22B 45 23B 50 24A	
J1108	DBC	C2	19A	HBLA12U	00	=		
J1108	DBC	C2	17B	(40)	01		HBLACO 37 17B	
J1108	DBC	C3	20A	HBLA13U	00	=		
J1108	DBC	C3	23A	(42)	01		SPI015 47 23A	
J1108	DBC	C4	21A	HBLA14U	00	=		
J1108	DBC	C4	22A	(46)	01		SPI013 48 22A	
J1108	DBC	C5	17A	HBLA15U	00	=		
J1108	DBC	C5	16B	(36)	01		HBF8DAV 35 16B	
J1115	DBC	C1	18A	HBLA21U	00	=		
J1115	DBC	C1	18B	(38)	01		HBCA581 HBCA681 HBCA781 HBCA881 HBLAKQ 39 18B 41 19B 43 22B 45 23B 50 24A	
J1115	DBC	C2	19A	HBLA22U	00	=		
J1115	DBC	C2	17B	(40)	01		HBLACO 37 17B	
J1115	DBC	C3	20A	HBLA23U	00	=		
J1115	DBC	C3	23A	(42)	01		HBLA15U 47 23A	
J1115	DBC	C4	21A	HBLA24U	00	=		
J1115	DBC	C4	22A	(46)	01		SPI015 48 22A	
J1115	DBC	C5	17A	HBLA25U	00	=		
J1115	DBC	C5	16B	(36)	01		HBF8DAV 35 16B	
J1108	DBC	D1	26A	HBLA31U	00	=		
J1108	DBC	D1	26B	(54)	01		HBC8181 HBC8281 HBMXWA SPI009 HBLAKQ 53 26B 55 27B 57 29B 59 30B 63 31A	
J1108	DBC	D2	28B	HBLA32U	00	=		
J1108	DBC	D2	25B	(56)	01		HBLACO 51 25B	

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CONNECTOR	TEST POINT	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1108	DBC D3 28A			HBLA33U	00 =			
J1108	DBC D3 31B			(60)	01	HBLNAOV 61 31B		
J1108	DBC D4 29A			HBLA34U	00 =			
J1108	DBC D4 30A			(62)	01	HBLA25U 64 30A		
J1108	DBC D5 25A			HBLA35U	00 =			
J1108	DBC D5 24B			(52)	01	HBFDAV 69 24B		
J1113	TQ2 F4 39A			HBLDGO	00 =			
J1113	TQ2 F4 37A			(80)	01	SPT005 HBCP1A 76 37A 78 38A		
J1109	TT3 D3 27B			HBLHLA	00 =			
J1109	TT3 D3 24B			(51)	01	HBCWDOE HBLAJOV HBT10V 45 24B 47 25B 49 26B		
J1112	THI C5 16B			HBLHLOV	00 =			
J1112	THI C5 17B			(31)	01	HBLHLA 33 17B		POS CP
J1112	THI D2 23A			HBLNAAV	00 =			
J1112	THI D2 24A			(49)	01	HBLA15U 47 24A		STROBE ADR CONT ERR
J1104	THI D4 22B			HBLNAOV	00 =			
J1104	THI D4 23B			(46)	01	HBLNAAV 41 23B		
				HBMHCOT	00 =			
J1115	DBC B1 10A			()	01	HBMHB4U 20 10A		
J1116	THI B4 09B			HBMHCQV	00 =			
J1116	THI B4 09B			(14)	01	HBMHC3T 17 09B		
				HBMHCIT	00 =			
J1115	DBC B2 11A			()	01	HBMNY10V 22 11A		
				HBMHC2T	00 =			
J1115	DBC B3 09B			()	01	HBMNY20V 19 09B		

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1115	DBC	B4	15A	HBMWC3T	00	=		
J1115	DBC	B4	10B	(30)	01		HBCCRAY 21 10B	
J1115	DBC	A1	04A	HBMXC0T	00	=		
J1115	DBC	A1	02A	(08)	01		HBMXB1U 04 02A	
J1116	THI	A6	06B	HBMXC0V	00	=		
J1116	THI	A6	07B	(10)	01		HBMXC4T 15 07B	
J1115	DBC	A2	05A	HBMXC1T	00	=		
J1115	DBC	A2	03A	(10)	01		HBMXB2U 06 03A	
J1115	DBC	A3	06A	HBMXC2T	00	=		
J1115	DBC	A3	02B	(14)	01		HBMXB3U 03 02B	
J1115	DBC	A4	07A	HBMXC3T	00	=		
J1115	DBC	A4	03B	(13)	01		HBCCRAY 05 03B	
J1115	DBC	A5	08B	HBMXC4T	00	=		
J1115	DBC	A5		(17)	01		SPA 4T	
J1109	TT3	B2	09B	HBMXWA	00	=		
J1109	TT3	B2	09A	(19)	01		HBMXC0V HBMX08V HBMWC0V 14 09A 17 08B 18 10A	
J1111	R05	C1	T17	HBMXA1V1	00	=		
J1111	R05	C1		(62)	01		HBCI0B1 60	
J1111	R05	C2	T18	HBMXA2V1	00	=		
J1111	R05	C2		(64)	01		HBCI1B1 59	
J1111	R05	C3	T19	HBMXA3V1	00	=		
J1111	R05	C3		(66)	01		HBCI2B1 61	
J1111	R05	C4	T21	HBMXA4V1	00	=		
J1111	R05	C4		(68)	01		HBCI3B1 69	

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1111	R05	C5	T20	HBMVA5V1	00	=		
J1111	R05	C5		(70)	01		HBCI481 71	
J1111	R05	C6	T22	HBMVA6V1	00	=		
J1111	R05	C6		(72)	01		HBCI581 73	
J1111	R05	C7	T23	HBMVA7V1	00	=		
J1111	R05	C7		(74)	01		HBRM30V 63	
J1111	R05	C8	T24	HBMVA8V1	00	=		
J1111	R05	C8		(76)	01		HBRM30V 65	
J1125	DBC	D1	26A	HBMVB1U	00	=		
J1125	DBC	D1	26B	(54)	01		HBMVA1V1 HBMVA2V1 HBMVA3V1 HBMVA4V1 HBMVLA 53 26B 55 27B 57 29B 59 30B 63 31A	
J1125	DBC	D2	28B	HBMVB2U	00	=		
J1125	DBC	D2	25B	(56)	01		HBYCPO 51 25B	
J1125	DBC	D3	28A	HBMVB3U	00	=		
J1125	DBC	D3	31B	(60)	01		SPI016 61 31B	
J1125	DBC	D4	29A	HBMVB4U	00	=		
J1125	DBC	D4	30A	(62)	01		SPI017 64 30A	
J1125	DBC	D5	25A	HBMVB5U	00	=		
J1125	DBC	D5	24B	(52)	01		HBFBCAV 49 24B	
J1115	DBC	E1	34A	HBMVC1U	00	=		
J1115	DBC	E1	33B	(70)	01		HBMVA5V1 HBMVA6V1 HBG N30V HBG N40V HBMVLA 71 33B 73 34B 75 35B 77 36B 80 38B	
J1115	DBC	E2	35A	HBMVC2U	00	=		
J1115	DBC	E2	32A	(72)	01		HBYCPO 69 32A	
J1115	DBC	E3	36A	HBMVC3U	00	=		
J1115	DBC	E3	37B	(74)	01		HBMVB5U 79 37B	

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1115	DBC	E4	37A	HBMYC4U	00	=		
J1115	DBC	E4	38A	(76)	01		SPI015 78 38A	
J1115	DBC	E5	33A	HBMYC5U	00	=		
J1115	DBC	E5	32B	(68)	01		HBFBCAV 66 32B	
J1113	TQ2	F3	35A	HRMYLA	00	=		
J1113	TQ2	F3	34B	(69)	01		HRMYTP HRM30V 65 34B 74 35B	
J1104	THI	F6	38A	HRMYRAV	00	=		
J1104	THI	F6	39A	(77)	01		HRMYRO 75 39A	
J1103	TQ2	F4	39A	HRMYRO	00	=		
J1103	TQ2	F4	37A	(80)	01		HRST7Q HRHAIA 76 37A 78 38A	
J1105	TDD	LI	38B	HRMYTI	00	=		
J1105	TDD	LI	()	()	01		HRM30V 77 38B	
J1105	TDD	LN	39B	HRMYTN	00	=		
J1105	TDD	LN	()	()	01		HRTE2A 79 39B	
J1105	TDD	LP	37A	HRMYTP	00	=		
J1105	TDD	LP	37B	(76)	01		HRMYRAV 75 37B	
J1105	TDD	LQ	38A	HRMYTQ	00	=		
J1105	TDD	LQ	39A	(78)	01		SPI003 80 39A	
J1112	THI	E1	32A	HRMY1AV	00	=		
J1112	THI	E1	33A	(66)	01		HRMYB1U 64 33A	
J1112	THI	E2	30A	HRMY2AV	00	=		
J1112	THI	E2	31A	(63)	01		HRMYB2U 61 31A	
J1112	THI	E3	28A	HRMY3AV	00	=		
J1112	THI	E3	29A	(60)	01		HRMYB3U 62 29A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESCRIPTOR	FACTOR	COMMENT
J1112	THI	E4	28B	HBMY4AV	00	=		
J1112	THI	E4	29B	(56)	01		HBMYB4U 55 29B	
J1112	THI	E5	30B	HBMY5AV	00	=		
J1112	THI	E5	31B	(57)	01		HBMYC1U 59 31B	
J1112	THI	E6	32B	HBMY6AV	00	=		
J1112	THI	E6	33B	(68)	01		HBMYC2U 65 33B	
J1117	TQ2	D3	24B	HBNBCA	00	=		
J1117	TQ2	D3	22B	(45)	01		HBLHLOV HBCK40V 41 22B 43 23B	
J1103	TQ2	D3	24B	HBNY1A	00	=		
J1103	TQ2	D3	22B	(45)	01		HBMYC1U SPI001 41 22B 43 23B	
J1116	THI	B1	13A	HBNY10V	00	=		
J1116	THI	B1	14A	(24)	01		HBNY1A 22 14A	
J1117	TQ2	D2	21A	HBNY2A	00	=		
J1117	TQ2	D2	22A	(46)	01		HBMYC2U SPI009 48 22A 50 23A	
J1116	THI	B2	11A	HBNY20V	00	=		
J1116	THI	B2	12A	(25)	01		HBNY2A 23 12A	
J1135	TT3	B2	09B	HBPPNR	00	=		
J1135	TT3	B2	09A	(19)	01		HBPPNS HBST8P HBFBKAV 14 09A 17 08B 18 10A	(PROBE POWER ON)*
J1134	TQ2	B2	09A	HBPPNS	00	=		
J1134	TQ2	B2	10A	(14)	01		HBST6P HBPPNR 18 10A 20 11A	
				HBRCYT	00	=		
J1140	TDD	FI	16A	()	01		SPI021 34 16A	
				HBRCYN	00	=		
J1140	TDD	FN	15A	()	01		HBFBGS 30 15A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TERM	TEST POINT	FACTOR	COMMENT
J1140	TDD FP 16B	HBCYCP	00 =				
J1140	TDD FP 17A	(33)	01		HBFRSAV 36 17A		
J1140	TDD FQ 15B	HBCYO	00 =				
J1140	TDD FQ 14B	(31)	01		SPI009 29 14B		
J1104	THI D1 25A	HBRM10V	00 =				
J1104	THI D1 26A	(54)	01		HBSAKAV 52 26A	ENA 1	
J1104	THI D2 23A	HBRM30V	00 =				
J1104	THI D2 24A	(49)	01		HBSAKAV 47 24A	ENA 2	
J1141	THI E6 32B	HBRSAV	00 =				
J1141	THI E6 33B	(68)	01		HBFBEO 65 33B		
J1141	THI F1 38B	HBRBAV	00 =				
J1141	THI F1 39B	(80)	01		HBFBEO 79 39B		
J1141	THI F6 38A	HBRSCAV	00 =				
J1141	THI F6 39A	(77)	01		HBRSCO 75 39A		
J1142	TQ2 A1 05A	HBRSCO	00 =				
J1142	TQ2 A1 06A	(06)	01		HBTFA HBRSAV 08 06A 10 07A	FIRE 30 M/C G/S	
J1141	THI E5 30B	HBRSOAV	00 =				
J1141	THI E5 31B	(57)	01		HBR500 59 31B		
J1107	TT3 B3 13B	HBR500	00 =				
J1107	TT3 B3 10B	(27)	01		HBST3P HBST1AV HBST2P 21 10B 23 11B 25 12B		
J1141	THI E1 32A	HBR52AV	00 =				
J1141	THI E1 33A	(66)	01		HBR520 64 33A		
J1142	TQ2 D2 21A	HBR520	00 =				
J1142	TQ2 D2 22A	(46)	01		HBST3P HBRSAV 68 22A 50 23A		

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBR53AV**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1133	THI	D6	26B	HBR53AV	00	=		
J1133	THI	D6	27B	(53)	01		HBR530 51 27B	
J1134	TQ2	F1	31A	HBR530	00	=		
J1134	TQ2	E1	32A	(66)	01		HBST4P HBR5AAV 68 32A 70 33A	
J1141	THI	E2	30A	HBR54AV	00	=		
J1141	THI	E2	31A	(63)	01		HBR540 61 31A	
J1142	TQ2	D3	24B	HBR540	00	=		
J1142	TQ2	D3	22B	(45)	01		HBST5P HBR5AAV 41 22B 43 23B	
J1133	THI	E1	32A	HBR55AV	00	=		
J1133	THI	E1	33A	(66)	01		HBR550 64 33A	
J1134	TQ2	E2	28A	HBR550	00	=		
J1134	TQ2	E2	29A	(60)	01		HBST6P HBR5AAV 62 29A 64 30A	
J1141	THI	E3	28A	HBR56AV	00	=		
J1141	THI	E3	29A	(60)	01		HBR560 62 29A	
J1142	TQ2	D4	27B	HBR560	00	=		
J1142	TQ2	D4	25B	(51)	01		HBST7P HBR5AAV 47 25B 49 26B	
J1133	THI	E2	30A	HBR57AV	00	=		
J1133	THI	E2	31A	(63)	01		HBR570 61 31A	
J1134	TQ2	E3	30B	HBR570	00	=		
J1134	TQ2	E3	28B	(57)	01		HBST8P HBR5BAV 53 28B 55 29B	
J1141	THI	E4	28B	HBR58AV	00	=		
J1141	THI	E4	29B	(56)	01		HBR580 55 29B	
J1142	TQ2	F1	31A	HBR580	00	=		
J1142	TQ2	E1	32A	(66)	01		HBST9P HBR5BAV 68 32A 70 33A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1133	THI E3	29A	HBR9AV	00 =		
J1133	THI E3	29A	(160)	01	HBR90 62 29A	
J1134	TQ2 E4	33B	HBR90	00 =		
J1134	TQ2 E4	31B	(63)	01	HBSTOP HBR9AV 59 31B 61 32B	
J1127	THI F2	36B	HBSAAV	00 =		
J1127	THI F2	37B	(71)	01	HBTEAR 73 37B	
J1127	THI F3	34B	HBSABAV	00 =		
J1127	THI F3	35B	(70)	01	HBTBER 69 35B	
J1127	THI F4	34A	HBSACAV	00 =		
J1127	THI F4	35A	(72)	01	HBTGER 74 35A	
J1127	THI F5	36A	HBSADAV	00 =		
J1127	THI F5	37A	(78)	01	HBTEDER 76 37A	
J1127	THI F6	38A	HBSAEAV	00 =		
J1127	THI F6	39A	(77)	01	HBTGER 75 39A	
J1112	THI F4	34A	HBSAFV	00 =		
J1112	THI F4	35A	(72)	01	HBTGER 74 35A	
J1112	THI F5	36A	HBSAGAV	00 =		
J1112	THI F5	37A	(78)	01	HBTGER 76 37A	
J1112	THI F6	38A	HBSAHAV	00 =		
J1112	THI F6	39A	(77)	01	HBTGER 75 39A	
J1132	TS8 F1	37A	HBSAIO	00 =		
J1132	TS8 F1	36A	(76)	01	HBSAAV HBSABAV HBSACAV HBSADAV HBSAEAV HBSAFV HBSAGAV HBSAHAV 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
J1135	TT3 E1	30A	HBSAJA	00 =		
J1135	TT3 E1	31A	(64)	01	HBCWAV HBCR2Q HBSAIO 66 31A 68 32A 70 33A	SELF TEST ERR

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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UNIT ASSEMBLY NO. 10281452
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1112	THI	D5	24B	HBSAKAV	00	#		
J1112	THI	D5	25B	(43)	01		HBST7Q 45 25B	
J1103	TQ2	E2	29A	HBSALA	00	#		
J1103	TQ2	E2	29A	(60)	01		HBSA1Q HBSA2P 62 29A 64 30A	LOAD SELF TEST COMPARE CTR
J1104	THI	E2	30A	HBSAHQV	00	#		
J1104	THI	E2	31A	(63)	01		HBSALA 61 31A	
				HBSA1T	00	#		
J1130	TDD	MI	36A	()	01		HBRM30V 71 36A	
				HBSA1N	00	#		
J1130	TDD	MN	34A	()	01		HBT1COV 72 34A	
J1130	TDD	MP	35A	HBSA1P	00	#		(FUNCTION TEST)*
J1130	TDD	MP	36B	(69)	01		SPI018 73 36B	
J1130	TDD	HQ	35B	HBSA1Q	00	#		
J1130	TDD	HQ	34B	(74)	01		SPI019 65 34B	
				HBSA2T	00	#		
J1105	TDD	JT	32A	()	01		HBSA1Q 68 32A	
				HBSA2N	00	#		
J1105	TDD	JN	33A	()	01		HBT1COV 70 33A	
J1105	TDD	JP	31B	HBSA2P	00	#		
J1105	TDD	JP	31A	(59)	01		SPI003 66 31A	
J1105	TDD	JQ	32B	HBSA2Q	00	#		
J1105	TDD	JQ	33B	(61)	01		SPI010 63 33B	
J1107	TT3	A2	03A	HBSB1A	00	#		
J1107	TT3	A2	02B	(07)	01		HBKAFQV HBEVSAY HBKAEA 01 02B 03 03A 05 03B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBSB20**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1134	TQ2	C2	15A	HBSB20	00 =		
J1134	TQ2	C2	16A	(30)	01	HBSB1A HBS28A 34 16A 36 17A	
J1107	TT3	A3	07B	HBSB3A	00 =		
J1107	TT3	A3	04B	(15)	01	HBKC3Q HBSB20 HBSTOQ 09 04B 11 05B 13 06B	
J1107	TT3	B1	11A	HBSB40	00 =		
J1107	TT3	B1	12A	(20)	01	HBST4P HBSB5A SPI009 22 12A 24 13A 26 16A	
J1106	TD4	F2	35A	HBSB5A	00 =		
J1106	TD4	F2	36A	(69)	01	HBSTOQ HBS2A0 HB EVSAV HBKC3Q 71 36A 72 34A 73 36B 74 35B	
J1107	TT3	B2	09B	HBSB6A	00 =		
J1107	TT3	B2	09A	(19)	01	HBKC3Q HBFBE0 SPI009 14 09A 17 08B 18 10A	
J1107	TT3	C2	15B	HBSB7A	00 =		
J1107	TT3	C2	14B	(31)	01	HBFBFS HBS15A SPI010 29 14B 30 15A 34 16A	
J1107	TT3	C1	17A	HBSB80	00 =		
J1107	TT3	C1	18A	(36)	01	HBSTOQ HBS15A SPI009 38 18A 40 19A 42 20A	
J1107	TT3	F2	35B	HBSB9A	00 =		
J1107	TT3	F2	34B	(74)	01	SPI008 HBSB90 SPI002 65 34B 71 36A 72 34A	
J1128	TQ2	F1	37B	HBSB90	00 =		
J1128	TQ2	F1	38B	(75)	01	HCDDIO1 HBSB7A 77 38B 79 39B	
J1126	TT3	C3	19B	HBSCT0	00 =		
J1126	TT3	C3	16B	(39)	01	SPI018 HBTCSD1 SPI017 33 16B 35 17B 37 18B	
J1106	TD4	B2	10B	HBS51A	00 =		
J1106	TD4	B2	09A	(21)	01	HBSST0 SPI013 HB SCT0 SPI005 14 09A 18 10A 19 09B 20 11A	
J1126	TT3	C1	17A	HBSST0	00 =		
J1126	TT3	C1	18A	(36)	01	SPI018 WSTDTA SPI017 38 18A 40 19A 42 20A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1140	TDD BI	03B	HBSTCI ()	00 = 01		HBTFJOV 05 03B	
J1140	TDD BN	02B	HBSTCN ()	00 = 01		HB JAF0 01 02B	
J1140	TDD BP	04B	HBSTCP (09)	00 = 01		HBRSCAV 06 04A	
J1140	TDD BQ	02A	HBSTCQ (07)	00 = 01		SPI007 03 02A	
J1140	TDD LI	38B	HBSTOT ()	00 = 01		HBST9Q 77 38B	
J1140	TDD LN	39B	HBSTON ()	00 = 01		HC20SP 79 39B	
J1140	TDD LP	37A	HBSTOP (76)	00 = 01		HBR50AV 75 37B	
J1140	TDD LQ	39A	HBSTOQ (78)	00 = 01		HB586A 80 39A	
J1141	THI D6	26B	HBSTOQV (53)	00 = 01		HBSTOP 51 27B	SYSTEM PWR ON - ST10
J1116	THI B6	12B	HBST1AV (26)	00 = 01		HBST1Q 27 13B	
J1130	TDD LI	38B	HBST1V ()	00 = 01		HBKC3AV 77 38B	
J1130	TDD LN	39B	HBST1N ()	00 = 01		HC10SP 79 39B	

DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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CONNECTOR	TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1130	TDD	LP	37A	HBST1P	00 =		
J1130	TDD	LP	37B	(76)	01	HBST2P 75 37B	
J1130	TDD	LQ	38A	HBST1Q	00 =		
J1130	TDD	LQ	39A	(78)	01	HBST2P 80 39A	
J1127	THI	C6	18B	HBST10V	00 =		END ST1
J1127	THI	C6	19B	(42)	01	HBST1AV 39 19B	
				HBST2I	00 =		
J1140	TDD	GI	25A	()	01	HBST1Q 54 25A	
				HBST2N	00 =		
J1140	TDD	GN	26A	()	01	HBK3Q 56 26A	
J1140	TDD	GP	25B	HBST2P	00 =		
J1140	TDD	GP	24A	(47)	01	HBRS2AV 52 24A	
J1140	TDD	GQ	26B	HBST2Q	00 =		
J1140	TDD	GQ	27B	(49)	01	HBST3A 51 27B	
J1141	THI	D2	23A	HBST20V	00 =		PROBE CONN ST2
J1141	THI	D2	24A	(49)	01	HBST2P 47 24A	
				HBST3I	00 =		
J1130	TDD	GI	25A	()	01	HBST2Q 54 25A	
				HBST3N	00 =		
J1130	TDD	GN	26A	()	01	HBK3A 56 26A	
J1130	TDD	GP	25B	HBST3P	00 =		
J1130	TDD	GP	24A	(47)	01	HBRS3AV 52 24A	
J1130	TDD	GQ	26B	HBST3Q	00 =		
J1130	TDD	GQ	27B	(49)	01	SPI018 51 27B	

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DRAWING NUMBER HL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL

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CONNECTOR	TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	TEST POINTS	FACTOR	COMMENT
J1133	THI	D1	25A	HRST30V	00	=		
J1133	THI	D1	26A	(54)	01	=	HBST3P 52 26A	CONT TEST ST3
				HRST6T	00	=		
J1140	TDD	HI	22A	()	01	=	HBST3Q 48 22A	
				HRST6N	00	=		
J1140	TDD	HN	21A	()	01	=	HBFA13E 46 21A	
J1140	TDD	HP	24B	HRST6P	00	=		
J1140	TDD	HP	23A	(45)	01	=	HBR54AV 50 23A	
J1140	TDD	HQ	23B	HRST6Q	00	=		
J1140	TDD	HQ	22B	(43)	01	=	SPI020 41 22B	
J1141	THI	D3	21A	HRST40W	00	=		
J1141	THI	D3	22A	(48)	01	=	HBST4P 50 22A	SYS POWER OFF ST4
				HRST5T	00	=		
J1130	TDD	HI	22A	()	01	=	HB5B40 48 22A	
				HRST5N	00	=		
J1130	TDD	HN	21A	()	01	=	HBKAJA 46 21A	
J1130	TDD	HP	24B	HRST5P	00	=		
J1130	TDD	HP	23A	(45)	01	=	HBR55AV 50 23A	
J1130	TDD	HQ	23B	HRST5Q	00	=		
J1130	TDD	HQ	22B	(43)	01	=	SPI019 41 22B	
J1133	THI	D2	23A	HRST50V	00	=		
J1133	THI	D2	24A	(49)	01	=	HBST5P 47 24A	OPEN R/R ST5
				HRST6T	00	=		
J1140	TDD	JI	32A	()	01	=	HBST5Q 48 32A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	LOGIC STATE	FACTOR	COMMENT
				HBST6N	00 =			
J1140	TDD	JN	33A	()	01		HC20SP 70 33A	
J1140	TDD	JP	31B	HBST6P	00 =			
J1140	TDD	JP	31A	(59)	01		HRS6AV 66 31A	
J1140	TDD	JQ	32B	HBST6Q	00 =			
J1140	TDD	JQ	33B	(61)	01		SPI020 63 33B	
J1141	THI	D4	22B	HBST60V	00 =			PROBE PHR ON - ST6
J1141	THI	D4	23B	(46)	01		HBST6P 41 23B	
				HBST7I	00 =			
J1130	TDD	JI	32A	()	01		HCP5H0 68 32A	
				HBST7N	00 =			
J1130	TDD	JN	33A	()	01		HBKAKA 70 33A	
J1130	TDD	JP	31B	HBST7P	00 =			
J1130	TDD	JP	31A	(59)	01		HRS7AV 66 31A	
J1130	TDD	JQ	32B	HBST7Q	00 =			
J1130	TDD	JQ	33B	(61)	01		SPI018 63 33B	
J1133	THI	D3	21A	HBST7QV	00 =			FUNCT TEST - ST7
J1133	THI	D3	22A	(48)	01		HBST7P 50 22A	
				HBST8I	00 =			
J1140	TDD	KI	29A	()	01		HBST7Q 62 29A	
				HBST8N	00 =			
J1140	TDD	KN	28A	()	01		HBS8C0 60 28A	
J1140	TDD	KP	30B	HBST8P	00 =			
J1140	TDD	KP	30A	(57)	01		HRS8AV 66 30A	

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TM 11-7010-201-40-T4/ET821-AA-MMI-040/E154 MTS/T.O. 31S5-2TSQ73-2-4

DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

LOGIC

UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL
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CONNECTOR	CIRCUIT TYPE	POINT	TEST POINTS (AND) OR	EQUATION	TERM	DEBOUNCE FACTOR	FACTOR	COMMENT
J1140	TDD	KQ	29B	HRST80	00	=		
J1140	TDD	KQ	28B	(55)	01	=	SPI019 53 28B	
J1141	THI	D5	24B	HRST80V	00	=		
J1141	THI	D5	25B	(43)	01	=	HBST8P 45 25B	PROBE PWR OFF ST8
				HBST9I	00	=		
J1130	TDD	KI	29A	()	01	=	HCP5L0 62 29A	
				HBST9M	00	=		
J1130	TDD	KN	28A	()	01	=	HBKALA 60 28A	
J1130	TDD	KP	30B	HRST9P	00	=		
J1130	TDD	KP	30A	(57)	01	=	HBR9AV 64 30A	
J1130	TDD	KQ	29B	HRST9Q	00	=		
J1130	TDD	KQ	28B	(55)	01	=	SPI019 53 28B	
J1133	THI	D4	22B	HRST90V	00	=		
J1133	THI	D4	23B	(46)	01	=	HBST9P 41 23B	CLOSE R/R ST9
J1106	TD4	B1	11B	HBS11A	00	=		
J1106	TD4	B1	12A	(23)	01	=	HBSC70 SPI010 HBUTO SPI005 22 12A 24 13A 25 12B 26 14A	
J1134	TQ2	D2	21A	HBS2A0	00	=		
J1134	TQ2	D2	22A	(46)	01	=	HBRCPY HBFBHR 48 22A 50 23A	
J1128	TQ2	F2	36A	HBS28A	00	=		
J1128	TQ2	F2	36A	(72)	01	=	HBS2A0 HBEV50 71 36A 73 36B	
J1142	TQ2	F2	36A	HBS88A	00	=		
J1142	TQ2	F2	36A	(72)	01	=	HBCR2P HAFTCOV 71 36A 73 36B	
J1134	TQ2	F1	37B	HBSRC0	00	=		
J1134	TQ2	F1	38B	(75)	01	=	HBCTSA HBS88A 77 38B 79 39B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	TEST POINT FACTOR	FACTOR	COMMENT
J1109	TT3	F1	36B	HBTCPO	00	=		
J1109	TT3	F1	37B	(73)	01		HBST3P HBTDEA HAFTBP 75 37B 77 38B 79 39B	
J1137	TLD	F4	39A	HBTCS01	00	=		
J1137	TLD	F4	37A	(80)	01		HBBATP HBB29S 76 37A 78 38A	
J1106	TD4	A1	05B	HBTDEA	00	=		
J1106	TD4	A1	05A	(11)	01		HAT183E HBCS2A HBST7Q SPI005 06 05A 08 06A 10 07A 13 06B	
J1110	TS4	D1	25B	HBD10E	00	=		T1
J1110	TS4	D1	23B	(47)	01		HBG10V HBT8AV 43 23B 45 24B	
J1110	TS4	D2	27B	HBD11E	00	=		T2
J1110	TS4	D2	22B	(51)	01		HBG20V HBSA1Q 41 22B 50 23A	
J1110	TS4	D3	26A	HBD12E	00	=		T3
J1110	TS4	D3	21A	(56)	01		HBG30V HBSA1P 46 21A 54 25A	
J1110	TS4	D4	24A	HBD13E	00	=		T4
J1110	TS4	D4	22A	(52)	01		HBG40V HBTFA0 48 22A 49 26B	
J1110	TS4	E1	31B	HBD20E	00	=		T5
J1110	TS4	E1	29B	(61)	01		HBG10V HBT40V 55 29B 59 30B	
J1110	TS4	E2	33B	HBD21E	00	=		T6
J1110	TS4	E2	28B	(65)	01		HBG20V HBSA1Q 53 28B 62 30A	
J1110	TS4	E3	33A	HBD22E	00	=		T7
J1110	TS4	E3	28A	(68)	01		HBG30V HBSA1P 57 28A 66 32A	
J1110	TS4	E4	31A	HBD23E	00	=		T8
J1110	TS4	E4	29A	(64)	01		HBG40V HBTFA0 60 29A 63 32B	
J1114	EOR	B3	14A	HBTFAER	00	=		
J1114	EOR	B3	13A	(25)	01		HBT211V1 HBT190E 26 13A 24 12A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERN	ORIG. UNIT	FACTOR	COMMENT
J1114	EOR	B4	11A	H8TEBER	00			
J1114	EOR	B4	10A	(22)	01		H8T212V1 H8T191E 20 10A 18 09A	
J1114	EOR	C1	14B	H8TECEB	00			
J1114	EOR	C1	15B	(33)	01		H8T213V1 H8T192E 31 15B 29 14B	
J1114	EOR	C2	19B	H8TEDEB	00			
J1114	EOR	C2	18B	(39)	01		H8T214V1 H8T193E 37 18B 35 17B	
J1114	EOR	C3	20A	H8TEFER	00			
J1114	EOR	C3	19A	(42)	01		H8T215V1 H8T200E 40 19A 38 18A	
J1114	EOR	C4	17A	H8TEFER	00			
J1114	EOR	C4	16A	(36)	01		H8T216V1 H8T201E 36 16A 30 15A	
J1114	EOR	D1	24B	H8TEGER	00			
J1114	EOR	D1	23B	(45)	01		H8T217V1 H8T202E 43 23B 41 23B	
J1114	EOR	D2	27B	H8TEHER	00			
J1114	EOR	D2	26B	(51)	01		H8T218V1 H8T203E 49 26B 47 25B	
J1103	TQ2	A1	05A	H8TE1A	00			
J1103	TQ2	A1	06A	(06)	01		H8TD22E H8TD10E 08 06A 10 07A	
J1104	THI	C1	19A	H8TE10W	00			(T1 T7)
J1104	THI	C1	20A	(40)	01		H8TE1A 38 30A	
J1103	TQ2	A2	02B	H8TE2A	00			
J1103	TQ2	A2	04A	(01)	01		H8TD10E H8TT2AV 04 04A 05 03B	
J1104	THI	C2	17A	H8TE20W	00			(T1 T2*)
J1104	THI	C2	18A	(37)	01		H8TE2A 35 18A	
J1103	TQ2	A3	04B	H8TE3A	00			(T3 T4*)
J1103	TQ2	A3	02A	(09)	01		H8TD12E H8TT4AV 03 02A 07 03A	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LM MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATION	FACTOR	COMMENT
J1103	TQ2	A4	07B	HBTE4A	00 =		
J1103	TQ2	A4	05B	(15)	01	HBTT3AV HBTD13E 11 05B 13 06B	
J1104	THI	C3	15A	HBTE40V	00 =		(T3* T4)
J1104	THI	C3	16A	(34)	01	HBTE4A 36 16A	
J1103	TQ2	B1	12A	HBTE5A	00 =		
J1103	TQ2	B1	13A	(22)	01	HBTT1AV HBTT8AV 26 13A 26 14A	
J1104	THI	C4	14B	HBTE50V	00 =		(T1* T8*)
J1104	THI	C4	15B	(30)	01	HBTE5A 29 15B	
J1103	TQ2	B2	09A	HBTE6A	00 =		
J1103	TQ2	B2	10A	(14)	01	HBTT5AV HBTD21E 18 10A 20 11A	
J1104	THI	C5	16B	HBTE60V	00 =		(T5* T6)
J1104	THI	C5	17B	(31)	01	HBTE6A 33 17B	
J1117	TQ2	F2	34A	HBTE7A	00 =		
J1117	TQ2	F2	36A	(72)	01	HBTD20E HBTT6AV 71 36A 73 36B	
J1104	THI	D6	26B	HBTE70V	00 =		(T5 T6*)
J1104	THI	D6	27B	(53)	01	HBTE7A 51 27B	
J1103	TQ2	B4	13B	HBTE8A	00 =		
J1103	TQ2	B4	11B	(27)	01	HBTT7AV HBTD23E 23 11B 25 12B	
J1104	THI	F1	38B	HBTE80V	00 =		(T7* T8)
J1104	THI	F1	39B	(80)	01	HBTE8A 79 39B	
J1106	TD4	D2	24B	HBTEA0	00 =		
J1106	TD4	D2	23B	(45)	01	HBTF8A HBTFCA SPI006 HBTFEA 43 23B 46 21A 48 22A 50 23A	
J1109	TT3	A3	07B	HBTEFA	00 =		
J1109	TT3	A3	04B	(15)	01	HBCK20 HBWAIA HBTFFAV 09 06B 11 05B 13 06B	

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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CONNECTOR	TEST POINT AND/OR GROUP	TEST POINTS AND/OR GROUP	EQUATION	TERM DESIGNATION	FACTOR	COMMENT
J1109	TT3 B1 11A		HBTECA	00 F		
J1109	TT3 B1 12A		(20)	01	HBWAXOV HBT5KQ HBTFFAV 22 12A 24 13A 26 14A	
J1103	TQ2 F3 35A		HBTEFA	00 F		
J1103	TQ2 F3 34B		(69)	01	HBT5KQ HBT8KQ 65 34B 74 35B	
J1112	THI B6 12B		HBTFFAV	00 F		
J1112	THI B6 13B		(26)	01	HBTFFO 27 13B	
J1109	TT3 A2 03A		HBTEEO	00 F		
J1109	TT3 A2 02B		(07)	01	HBCCPT WTSBCA1 HBSTCP 01 02B 03 02A 05 02B	
J1103	TQ2 E2 34A		HBTEGO	00 F		
J1103	TQ2 F2 36A		(72)	01	HBTFOV HBTFOV 71 36A 73 36B	
J1128	TQ2 D4 27B		HBTEHA	00 F		
J1128	TQ2 D4 25B		(51)	01	HBT6KP HBT7KQ 47 25B 49 26B	
J1116	THI B3 09A		HBTFOV	00 F		
J1116	THI B3 10A		(18)	01	HBTFA 20 10A	
J1104	THI E2 34B		HBTFOV	00 F		
J1104	THI F2 37B		(71)	01	HBT5KQ 73 37B	
J1104	THI F4 34A		HBTEJOV	00 F		
J1104	THI F4 35A		(72)	01	WTSSA1 74 35A	
J1104	THI C6 18B		HBTEKOV	00 F		
J1104	THI C6 19B		(42)	01	WTSSA1 39 19B	
J1104	THI E5 36A		HBTFOV	00 F		
J1104	THI F5 37A		(78)	01	WTSBCA1 76 37A	
J1104	THI A5 04B		HBT11AV	00 F		
J1104	THI A5 05B		(07)	01	HBT10E 09 05B	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452** REV. **F** INDEX **HBT2AV**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	REGIO. FACTOR	FACTOR	COMMENT
J1104	THI	A6	06B	HBT2AV	00	=		
J1104	THI	A6	07B	(10)	01		HBD11E 15 07B	
J1104	THI	B1	13A	HBT3AV	00	=		
J1104	THI	B1	14A	(24)	01		HBD12E 22 14A	
J1104	THI	B2	11A	HBT4AV	00	=		
J1104	THI	B2	12A	(25)	01		HBD13E 23 12A	
J1112	THI	C6	18B	HBT40V	00	=		
J1112	THI	C6	19B	(42)	01		HBT4AV 39 19B	
J1104	THI	B3	09A	HBT5AV	00	=		
J1104	THI	B3	10A	(18)	01		HBD20E 20 10A	
J1104	THI	B4	08B	HBT6AV	00	=		
J1104	THI	B4	09B	(14)	01		HBD21E 17 09B	
J1104	THI	B5	10B	HBT7AV	00	=		
J1104	THI	B5	11B	(19)	01		HBD22E 21 11B	
J1104	THI	B6	12B	HBT8AV	00	=		
J1104	THI	B6	13B	(26)	01		HBD23E 27 13B	
J1104	THI	A2	04A	HBT1A0V	00	=		
J1104	THI	A2	05A	(08)	01		HACK1A 06 05A	
J1104	THI	A3	03A	HBT1B0V	00	=		
J1104	THI	A3	02A	(03)	01		HACK1A 04 02A	
J1104	THI	A4	02B	HBT1C0V	00	=		
J1104	THI	A4	03B	(01)	01		HACK1A 05 03B	
J1112	THI	D6	26B	HBT19AV	00	=		
J1112	THI	D6	27B	(53)	01		HBT193E 51 27B	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

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CONNECTOR	TEST POINT TYPE	TEST POINT NO.	TEST POINT AND OR	EQUATION	TERM. DESIGNATOR	FACTOR	COMMENT
J1110	TS4	B1	11B	HBT190F	00		
J1110	TS4	B1	09B	(21)	01	HBG10V HBT20AV 17 09B 19 10B	
J1116	TH1	E1	32A	HBT190V	00		
J1116	TH1	E1	33A	(66)	01	HBT19AV 66 33A	
J1110	TS4	B2	13B	HBT191E	00		
J1110	TS4	B2	08B	(27)	01	HBG20V HBCCTQ 18 08B 22 11A	
J1110	TS4	B3	14A	HBT192E	00		
J1110	TS4	B3	09A	(25)	01	HBG30V HBCCTP 18 09A 26 13A	
J1110	TS4	B4	12A	HBT193E	00		
J1110	TS4	B4	10A	(24)	01	HBG40V HBTCPD 20 10A 23 12B	
J1112	TH1	D4	22B	HBT20AV	00		
J1112	TH1	D4	23B	(46)	01	HBT203E 41 23B	
J1110	TS4	C1	17B	HBT200E	00		
J1110	TS4	C1	15B	(35)	01	HBG10V HBT190V 31 15B 33 16B	
J1110	TS4	C2	19B	HBT201E	00		
J1110	TS4	C2	14B	(39)	01	HBG20V HBCCTQ 29 14B 36 17A	
J1110	TS4	C3	20A	HBT202E	00		
J1110	TS4	C3	15A	(42)	01	HBG30V HBCCTP 30 15A 40 19A	
J1110	TS4	C4	18A	HBT203E	00		
J1110	TS4	C4	16A	(38)	01	HBG40V HBTCPD 36 16A 37 18B	
J1111	RO5	B1	T09	HBT211V1	00		
J1111	RO5	B1		(38)	01	HBCI0B1 37	
J1111	RO5	B2	T10	HBT212V1	00		
J1111	RO5	B2		(40)	01	HBCI1B1 38	

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DRAWING NUMBER WL10281452
 UNIT ASSEMBLY NAME CARD CAGE WIRED LH MTS

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UNIT ASSEMBLY NO. 10281452
 FILE IDENT TSQ3MTSL
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	TEST POINT OR Z	FACTOR	COMMENT
J1111	R05	83	T11	HBT213V1	00	=		
J1111	R05	83		(42)	01		HBT281 41	
J1111	R05	84	T12	HBT214V1	00	=		
J1111	R05	84		(46)	01		HBT381 49	
J1111	R05	85	T13	HBT215V1	00	=		
J1111	R05	85		(48)	01		HBT481 51	
J1111	R05	86	T14	HBT216V1	00	=		
J1111	R05	86		(50)	01		HBT581 53	
J1111	R05	87	T15	HBT217V1	00	=		
J1111	R05	87		(52)	01		HBRM30V 45	
J1111	R05	88	T16	HBT218V1	00	=		
J1111	R05	88		(54)	01		HBRM30V 47	
J1133	THI	84	08B	HBT4C0V	00	=		
J1133	THI	84	09B	(14)	01		HBT4A 17 09B	
J1105	TDD	FI	16A	HBT5KI	00	=		
				()	01		HBT5IOV 24 16A	
J1105	TDD	FN	15A	HBT5KN	00	=		
				()	01		HBT5K10 30 15A	
J1105	TDD	FP	16B	HBT5KP	00	=		
J1105	TDD	FP	17A	(33)	01		HBT5TCP 36 17A	
J1105	TDD	FQ	15B	HBT5KQ	00	=		
J1105	TDD	FQ	14B	(31)	01		SPI004 29 14B	
J1105	TDD	EI	19A	HBT6KI	00	=		
				()	01		HBT6KOV 40 19A	

DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	RELATION	FACTOR	COMMENT
				HBT6KN	00	=		
J1105	TDD	EN	20A	()	01	=	HBCK10 42 20A	
				HBT6KP	00	=		
J1105	TDD	EP	17B	(35)	01	=	SPI003 38 18A	
				HBT6KQ	00	=		
J1105	TDD	EQ	18B	(37)	01	=	SPI010 39 18B	
				HBT7KI	00	=		
J1130	TDD	EI	19A	()	01	=	HBT6KQ 40 19A	
				HBT7KN	00	=		
J1130	TDD	EN	20A	()	01	=	HBCK10 42 20A	
				HBT7KP	00	=		
J1130	TDD	EP	17B	(35)	01	=	SPI018 38 18A	
				HBT7KQ	00	=		
J1130	TDD	EQ	18B	(37)	01	=	SPI019 39 19B	
				HBT8KI	00	=		
J1105	TDD	KI	29A	()	01	=	H8GN10V 62 29A	
				HBT8KN	00	=		
J1105	TDD	KN	28A	()	01	=	H8TE8A 60 28A	
				HBT8KP	00	=		
J1105	TDD	KP	30A	(57)	01	=	H8FBCAV 64 30A	
				HBT8KQ	00	=		
J1105	TDD	KQ	28B	(55)	01	=	H8TFG0 53 28B	
				H8UMBAY	00	=		
J1104	THI	A1	06A	(13)	01	=	WBSTP01 11 07A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1107	TT3	D3	27B	HBUUTO	00	=		
J1107	TT3	D3	24B	(51)	01	=	WBU57A1 SPI002 WBU56A1 45 24B 47 25B 49 26B	
J1113	TQ2	A4	07B	HBWAAA	00	=		
J1113	TQ2	A4	05B	(15)	01	=	HBW1A0V HBW3B0V 11 05B 13 06B	
J1113	TQ2	B1	12A	HBWABA	00	=		
J1113	TQ2	B1	13A	(22)	01	=	HBW6A0V HBW3B0V 24 13A 26 14A	
J1113	TQ2	B2	09A	HBWACA	00	=		
J1113	TQ2	B2	10A	(14)	01	=	HBW8A0V HBW2B0V 18 10A 20 11A	
J1113	TQ2	B3	10B	HBWADA	00	=		
J1113	TQ2	B3	08B	(21)	01	=	HBW3A0V HBW3B0V 17 08B 19 09B	
J1113	TQ2	B4	13B	HBWAEA	00	=		
J1113	TQ2	B4	11B	(27)	01	=	HBW4A0V HBW3B0V 23 11B 25 12B	
J1113	TQ2	C1	18A	HBWAFB	00	=		
J1113	TQ2	C1	19A	(38)	01	=	HBW5A0V HBW3B0V 40 19A 42 20A	
J1113	TQ2	C2	15A	HBWAGA	00	=		
J1113	TQ2	C2	16A	(30)	01	=	HBW2A0V HBW3B0V 34 16A 36 17A	
J1113	TQ2	C3	16B	HBWAHA	00	=		
J1113	TQ2	C3	14B	(33)	01	=	HBW6A0V HBW2B0V 29 14B 31 15B	
J1113	TQ2	C4	19B	HBWATA	00	=		
J1113	TQ2	C4	17B	(39)	01	=	HBW7A0V HBW2B0V 35 17B 37 18B	
J1113	TQ2	D1	24A	HBWATA	00	=		
J1113	TQ2	D1	25A	(52)	01	=	HBW4A0V HBW1B0V 54 25A 56 26A	
J1113	TQ2	D2	21A	HBWAKA	00	=		
J1113	TQ2	D2	22A	(46)	01	=	HBW8A0V HBW1B0V 48 22A 50 23A	

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DRAWING NUMBER **ML10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

LOGIC

UNIT ASSEMBLY NO. **10281452**
 FILE IDENT **TSQ3MTSL**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGN FACTOR	FACTOR	COMMENT
J1113	TQ2	D3	24B	HBWALA	00	=		
J1113	TQ2	D3	22B	(45)	01		HBW5A0V HBW2B0V 41 22B 43 23B	
J1127	THI	D2	23A	HBWANOV	00	=		
J1127	THI	D2	24A	(49)	01		HBWAAA 47 24A	(101-TJK)
J1127	THI	D3	21A	HBWANOV	00	=		
J1127	THI	D3	22A	(48)	01		HBWABA 50 22A	
J1127	THI	D4	22B	HBWAP0V	00	=		
J1127	THI	D4	23B	(46)	01		HBWACA 41 23B	(109-MEM)
J1128	TQ2	C2	15A	HBWAOO	00	=		
J1128	TQ2	C2	16A	(30)	01		HBWACA HBWABA 34 16A 36 17A	(652-109 MEM)
J1127	THI	D6	26B	HBWASOV	00	=		
J1127	THI	D6	27B	(53)	01		HBWAEA 51 27B	602
J1127	THI	E1	32A	HBWATOV	00	=		
J1127	THI	E1	33A	(66)	01		HBWafa 64 33A	606
J1128	TQ2	C3	14B	HBWAUC	00	=		
J1128	TQ2	C3	14B	(33)	01		HBWACA HBWafa 29 14B 31 15B	(109 MEM+606)
J1127	THI	E2	30A	HBWAVOV	00	=		
J1127	THI	E2	31A	(63)	01		HBWAGA 61 31A	(105-TDD)
J1127	THI	E3	28A	HBWAWOV	00	=		
J1127	THI	E3	29A	(60)	01		HBWAHA 62 29A	(707-SR)
J1127	THI	E4	28B	HBWAYOV	00	=		
J1127	THI	E4	29B	(56)	01		HBWAIA 55 29B	(106-TLD)
J1141	THI	A3	03A	HBWAYAV	00	=		
J1141	THI	A3	02A	(03)	01		HBWAYO 04 02A	

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DRAWING NUMBER **WL10281452**
 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1126	TT3	B1	11A	HBWAY0	00	=		
J1126	TT3	B1	12A	(20)	01		HBWAJA HBWAKA HBWALA 22 12A 24 13A 26 14A	(107-124-629)
J1128	TQ2	C4	19B	HBWA70	00	=		
J1128	TQ2	C4	17B	(39)	01		HBWAJA HBWAKA 35 17B 37 18B	(107-124)
J1108	DBC	A1	04A	HBWA10T	00	=		
J1108	DBC	A1	02A	(08)	01		HBC10B1 04 02A	
J1108	DBC	A2	05A	HBWA11T	00	=		
J1108	DBC	A2	03A	(10)	01		HBC11B1 06 03A	
J1108	DBC	A3	06A	HBWA12T	00	=		
J1108	DBC	A3	02B	(14)	01		HBC12B1 03 02B	
J1108	DBC	A4	07A	HBWA13T	00	=		
J1108	DBC	A4	03B	(13)	01		HBC13B1 05 03B	
J1108	DBC	A5	08B	HBWA14T	00	=		
J1108	DBC	A5		(17)	01		SPA 4T	
J1108	DBC	A6	04B	HBWA15T	00	=		
J1108	DBC	A6		(07)	01		SPA 5T	
J1108	DBC	A7	05B	HBWA16T	00	=		
J1108	DBC	A7		(09)	01		SPA 6T	
J1108	DBC	A8	06B	HBWA17T	00	=		
J1108	DBC	A8		(11)	01		SPA 7T	
J1108	DBC	A9	07B	HBWA18T	00	=		
J1108	DBC	A9		(15)	01		SPA 8T	
J1108	DBC	A0	09A	HBWA19T	00	=		
J1108	DBC	A0		(18)	01		SPA 9T	

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1108	DBC	B1	12A	HBWA20T	00	#		
J1108	DBC	B1	10A	(24)	01		HBCI3B1 20 10A	
J1108	DBC	B2	13A	HBWA21T	00	#		
J1108	DBC	B2	11A	(26)	01		HBCI4B1 22 11A	
J1108	DBC	B3	14A	HBWA22T	00	#		
J1108	DBC	B3	09B	(27)	01		HBCI5B1 19 09B	
J1108	DBC	B4	15A	HBWA23T	00	#		
J1108	DBC	B4	10B	(30)	01		HBCI6B1 21 10B	
J1108	DBC	B5	16A	HBWA24T	00	#		
J1108	DBC	B5		(33)	01		SPA 4T	
J1108	DBC	B6	11B	HBWA25T	00	#		
J1108	DBC	B6		(23)	01		SPA 5T	
J1108	DBC	B7	12B	HBWA26T	00	#		
J1108	DBC	B7		(25)	01		SPA 6T	
J1108	DBC	B8	13B	HBWA27T	00	#		
J1108	DBC	B8		(29)	01		SPA 7T	
J1108	DBC	B9	14B	HBWA28T	00	#		
J1108	DBC	B9		(31)	01		SPA 8T	
J1108	DBC	B0	15B	HBWA29T	00	#		
J1108	DBC	B0		(34)	01		SPA 9T	
J1127	THI	E5	30B	HBWA30V	00	#		
J1127	THI	E5	31B	(57)	01		HBCI7B1 59 31B	107
J1127	THI	E6	32B	HBWA31V	00	#		
J1127	THI	E6	33B	(68)	01		HBCI8B1 65 33B	124

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 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM DESIGNATOR	FACTOR	COMMENT
J1126	TT3	C2	15B	HBWBCA	00 =		
J1126	TT3	C2	14B	(31)	01	SPI018 SPI016 HBFACR 29 14B 30 15A 34 16A	
J1134	TQ2	A4	07B	HBWRDA	00 =		
J1134	TQ2	A4	05B	(15)	01	HBWASOV HBWBCA 11 05B 13 06B	
J1142	TQ2	D1	24A	HBWC1A	00 =		
J1142	TQ2	D1	25A	(52)	01	HBW7A0V HBW3B0V 54 25A 56 26A	
J1107	TT3	C3	19B	HBWC2A	00 =		
J1107	TT3	C3	16B	(39)	01	HBWC1A HBST5Q SPI007 33 16B 35 17B 37 18B	
J1107	TT3	D1	23A	HBWC3R	00 =		
J1107	TT3	D1	24A	(50)	01	HBST9P HBST1AV HBWC3S 52 24A 54 25A 56 26A	
J1142	TQ2	E2	28A	HBWC3S	00 =		
J1142	TQ2	E2	29A	(60)	01	HBWC3R HBWC2A 62 29A 64 30A	
J1112	THI	A1	06A	HBW1A0V	00 =		
J1112	THI	A1	07A	(13)	01	HBW1A0T 11 07A	
J1112	THI	B3	09A	HBW1B0V	00 =		
J1112	THI	B3	10A	(18)	01	HBW1A20T 20 10A	
J1112	THI	A2	04A	HBW2A0V	00 =		
J1112	THI	A2	05A	(08)	01	HBW1A11T 06 05A	
J1112	THI	B4	08B	HBW2B0V	00 =		
J1112	THI	B4	09B	(14)	01	HBW1A21T 17 09B	
J1112	THI	A3	03A	HBW3A0V	00 =		
J1112	THI	A3	02A	(03)	01	HBW1A12T 04 02A	
J1112	THI	B5	10B	HBW3B0V	00 =		
J1112	THI	B5	11B	(19)	01	HBW1A22T 21 11B	

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 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATION	FACTOR	COMMENT
J1112	THI A4	02B	HBW4A0V	00	=		
J1112	THI A4	03B	(01)	01		HBWA13T 05 03B	
J1112	THI A5	04B	HBW5A0V	00	=		
J1112	THI A5	05B	(07)	01		HBWA14T 09 05B	
J1112	THI A6	06B	HBW6A0V	00	=		
J1112	THI A6	07B	(10)	01		HBWA15T 15 07B	
J1112	THI B1	13A	HBW7A0V	00	=		
J1112	THI B1	14A	(24)	01		HBWA16T 22 14A	
J1112	THI B2	11A	HBW8A0V	00	=		
J1112	THI B2	12A	(25)	01		HBWA17T 23 12A	
J1109	TT3 E3	33B	HRVAPA	00	=		
J1109	TT3 E3	30B	(63)	01		HBLAKP HBTE80V HBMYTQ 57 30B 59 31B 61 32B	
J1116	THI C1	19A	HRVA10V	00	=		
J1116	THI C1	20A	(40)	01		HBMY1AV 38 20A	
J1116	THI C3	15A	HRVA20V	00	=		
J1116	THI C3	16A	(34)	01		HBMY2AV 36 16A	
J1116	THI C5	16B	HRVA30V	00	=		
J1116	THI C5	17B	(31)	01		HBMY3AV 33 17B	
J1116	THI D1	25A	HRVA40V	00	=		
J1116	THI D1	26A	(54)	01		HBMY4AV 52 26A	
J1116	THI D3	21A	HRVA50V	00	=		
J1116	THI D3	22A	(48)	01		HBMY5AV 50 22A	
J1116	THI D5	24B	HRVA60V	00	=		
J1116	THI D5	25B	(43)	01		HBMY6AV 48 25B	

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DRAWING NUMBER **WL10281452**
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UNIT ASSEMBLY NO. **10281452**
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CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
J1109	TT3	E2	29B	HBV8PA	00	=		
J1109	TT3	E2	28B	(55)	01		HBRM30V HBTE20V HBMYTP 53 28B 60 28A 62 29A	
J1112	THI	F1	38B	HBV8POV	00	=		
J1112	THI	F1	39B	(80)	01		HBV8PA 79 39B	CLOCK CKT MASK CTR
J1116	THI	C2	17A	HBV810V	00	=		
J1116	THI	C2	18A	(37)	01		HBMY1AV 35 18A	
J1116	THI	C4	14B	HBV820V	00	=		
J1116	THI	C4	15B	(30)	01		HBMY2AV 29 15B	
J1116	THI	C6	18B	HBV830V	00	=		
J1116	THI	C6	19B	(42)	01		HBMY3AV 39 19B	
J1116	THI	D2	23A	HBV840V	00	=		
J1116	THI	D2	24A	(49)	01		HBMY4AV 47 24A	
J1116	THI	D4	22B	HBV850V	00	=		
J1116	THI	D4	23B	(46)	01		HBMY5AV 41 23B	
J1116	THI	D6	26B	HBV860V	00	=		
J1116	THI	D6	27B	(53)	01		HBMY6AV 51 27B	
J1113	TQ2	F2	34A	HBV8CPO	00	=		
J1113	TQ2	F2	36A	(72)	01		HBV8PA HBV8PA 71 36A 73 36B	
J1116	THI	A1	06A	HBOPNAV	00	=		
J1116	THI	A1	07A	(13)	01		HC21C0 11 07A	
J1127	THI	C3	15A	HB20AAV	00	=		
J1127	THI	C3	16A	(34)	01		HB831S 36 16A	
J1127	THI	C2	17A	HB21BAV	00	=		
J1127	THI	C2	18A	(37)	01		HB21B0V 35 18A	

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 UNIT ASSEMBLY NAME **CARD CAGE WIRED LH MTS**

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CONNECTOR	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG- NATOR	FACTOR										COMMENT								
J1116	THI	A2	04A	HB2180V	00	=																		
J1116	THI	A2	05A	(08)	01		HC2180																	
J1104	THI	F3	34B	HB5000V	00	=																		
J1104	THI	F3	35B	(70)	01		HBT5KP																	
				HCDMM7	00	=																		
J1146	EXT			()	01		HB J000V	HB J010V	HB J020V	HB J030V	HB J040V	HB J050V	HB J060V	HB J070V										
J1146	EXT			()	02	+	09	10	11	12	13	14	15	16	17	18								
J1146	EXT			()	03	+	19	20	21	22	23	24	25											
J1146	EXT			()	04	+	27	29	53	56	57	69	70											
J1146	EXT			()	05	+	71	72	73	74		75	76	77										
							78	80																

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